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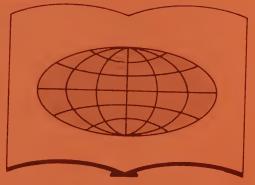


Pesticides Occumentation Bulletin

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Volume 4 Number 20 September 27, 1968



U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

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Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested Company furnishing the compound Author or Investigator Test Sponsor Date

Location Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

Note: Items subject to proprietory restriction will be suppressed when appropriate.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

18497-68

EFFICIENCY OF APHIDOPHAGOUS INSECTS IN IRAQ. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

A F Al-Azawi

277-278

1966

Aphididae, Chemical control (insects), Insect identification, Parasitic insects, Research.

THE EFFICIENCY OF APHIDOPHAGOUS IN-SECTS IN CONTROL OF APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY APHIDOPHAGOUS INSECTS. SB975.0S9. OF

S Bombosch O Tokmakoglu

271-273

1966

Aphididae, Aphis fabae, Feeding, Insect cages, Insect control, Morphology, Predaceous insects, Research, Weather.

A NEW WIDE-SPECTRUM COCCIDIOSTAT.

R A Bowie J P Cairns M S Grant A Hayes W G M Jones J F Ryley

Nature 214(5095):1349

24 Jun 1967 472 N21

Chemical control (insects), Chemicals, Coccidiosis, Drugs, Eimeria brunetti, Eimeria tenella, Laboratories, Parasitism, Research.

18500-68

FUNCTION OF APHIDOPHAGOUS INSECTS IN INTEGRATED CONTROL; SUMMING-UP OF THE SECTION VI. IN: HODEK, I., ED. ECOLO-OF APHIDOPHAGOUS INSECTS. SB975.0S9.

H J Fluiter

341-343

1966

Aphididae, Chemicals, Coccinellidae, Ecology, Environment, Insect migration, Integrated control (insects).

18501-68

INTERRUPTION OF MALARIA TRANSMISSION BY CHLOROQUINIZED SALT IN GUYANA WITH OBSERVATIONS ON A CHLOROQUINE-RESISTANT STRAIN PLASMODIUM FALCIPARUM.

G Giglioli F J Rutten S Ramiattan

World Health Organ Bull 36(2):283-301 MAPS 1967 449.9 W892B

Chloroquine, Insect outbreaks, Malaria, Plasmodium falciparum, Research, Sodium chloride. French summary.

18502-68

NEW RECORDS OF TABANIDAE (DIPTERA) FOR SOUTHERN RHODESIA.

R Goodier

Entomol Mon Mag (SER.4)98(270-2):162-163 Jun 1962 421 EN86

Chrysopidae, Insect vectors, Research, Tabanidae, Trypanosomiasis.

18503-68

SIMPLE TECHNIQUES FOR THE REARING OF COLLEMBOLA AND A NOTE ON THE USE OF A FUNGISTATIC SUBSTANCE IN THE CUL-TURES.

H E Goto

Entornol Mon Mag (SER.4)96(262): 138-140 Jun 1960 421 EN86

Collembola, Equipment, Fungicides, Insect cultures, Insect rearing, Methodology.

18504-68

OBSERVATIONS ON THE USE OF A PREDA-TOR TO CONTROL RED SPIDER MITE ON COMMERCIAL CUCUMBER NURSERIES. H I Gould

Plant Pathol 17(3):108-112

Sep 1968 464.8 P692

Nurseries. Cucumbers. Insect ecology. Tetranychus urticae,

18505-68

ARACHNOLOGY.

H W Levi C D Dondale Science 161(3845):1033 06 Sep 1968 470 SCI2

Arachnida, Education, Electron microscopy, Research, Spiders, Teaching.

BEHAVIOURAL RESPONSES OF PARASITES TO THE SYMBIOTIC FUNGUS ASSOCIATED WITH SIREX NOCTILIO F.

1.1. Madden

Nature 218(5137):189-190

13 Apr 1968 472 N21

Fungi, Insect behavior, Parasitism, Sirex noctilio, Symbiosis.

SYSTEMATICS

18507-68

TWO SUBGENERA OF PYRGOMORPHIDAE (ORTH., ACRIDOIDEA) RAISED TO GENERIC STATUS ON THE BASIS OF THEIR PHALLIC STRUCTURES.

S S Akbar D K Kevan

Entomol Mon Mag (SER.4)99(280-281):90-95

Apr 1963 421 EN86

Insect anatomy, Nomenclature, Orthoptera, Pyrgomorphidae, Taxonomy.

18508-68

TWO NEW SPECIES OF LONGITARSUS LATR. (COL., CHRYSOMELIDAE) IN BRITAIN.

A A Allen

Entomol Mon Mag 103(1235-37):75-82

Apr 1967 421 EN86

Color, Cuticle, Insect identification, Longitarsus, Physiology, Research, Taxonomy.

THE DISTRIBUTION OF ANTS IN CENTRAL SOUTHERN ENGLAND.

K.E. J. Barrett

Soc Brit Entomol Trans 17(9):235-250, MAP REF Mar 1968 420 SQ15

Formicidae, Zoogeography.

18510-68

MOBILE FIELD LABORATORY CABINET FOR USE IN ENCEPHALITIS SURVEILLANCE.

R E Bartnett R P Jones

Mosquito News 28(1):118-119 Mar 1968 421 M85

Biological laboratorics, Equine encephalomyelitis, Research, Surveys, Trucks.

18511-68

HYMENOPTERA FROM TURKEY: SYMPHYTA.

R B Benson

Brit Mus (natur Hist) Entomol Bull Suppl 22(4):207 P. REF

1968 420 B773

Entomology, Hymenoptera, Insect identification, Insect taxonomy, Research, Symphyta.

18512-68

GENUS FOR THE LEAF-EDGE-NEW ROLLING **PONTANIA** (HYM., TENTHREDINIDAE).

R B Benson

Entomol Mon Mag (SER.4)96(243): 59-60

Mar 1960 421 EN86

Hymenoptera, Insect identification, Pontania, Taxonomy.

18513-68

REVISION OF PALEARCTIC CEN-TROPHTHALMUS (COL. PSELAPHIDAE). (FR.) C Besuchet

Schweit: Entomol Ges Mitt 39(1/2):59-65

15 Sep 1966 420 SW6

Centrophthalmus, Insect taxonomy, Pselaphidae. Includes new spp.

GRASSHOPPERS (ORTH., ACRIDIDAE) IN RADNORSHIRE.

R E Blackith

Entomol Mon Mag (SER.4)99(284-286):136

Aug 1963 421 EN86

Acrididae, Grasshoppers, Orthoptera, Taxonomy, Zoogeography

18515-68

THE DISTRIBUTION OF MANTIS RELIGIOSA L. (DICTYOPTERA, MANTIDAF).

A N Brangham

Entornol Mon Mag (SER.4)96(244): 95

Apr 1960 421 EN86

Mantis religiosa, Zoogeography.

18516-68

TATUIDRIS, A REMARKABLE NEW GENUS OF FORMICIDAE (HYMENOPTERA).

W L Brown W W Kempf Psyche 74(3):183-190

Sep 1967 421 P95 Formicidae, Insect taxonomy.

BEDFORDSHIRE SAWFLIES: WITH SOME NEW FOOD-PLANTS.

V H Chambers

Entomol Mon Mag (SER.4)96(250-252):209-212 REF

Oct 1960 421 EN86

Entomology, Food plants, Insect identification, Insect taxonomy.

18518-68

SOME NEW AND LITTLE-KNOWN ACRI-DOIDEA (ORTHOPTERA) FROM AFRICA.

R F Chapman

Entomol Mon Mag (SER.4)96(250-252):240-242 Oct 1960 421 EN86

Acridoidea, Entomology, Insect identification, Insect taxonomy. New species are: Chapmanaeris sylvatica, Eucoptaera basidens and Apoboleus.

18519-68

TWO NEW SPECIES OF THE GENUS OTIOTHOPS (PRANEAE, PALPIMANIDAE) FROM THE VIRGIN ISLANDS.

A M Chickering

Psyche 74(3):203-207

Sep 1967 421 P95 Insect taxonomy, Spiders.

18520-68

THE RELATIONSHIP BETWEEN THE SIZE OF YELLOW WATER TRAPS AND CATCHES OF APHIDS.

Entomol Exp Appl 10(3):485-487 1967 421 EN895

Aphididae, Insect traps, Surveys.

Abstract

18521-68

ON SOME NEW CHARACTERS OF CLAS-SIFACTORY IMPORTANCE IN ADULTS OF ELATERIDAE (COLEOPTERA).

R A Crowson

Entornol Mon Mag (SER.4)96(247-249):158-161 Jul 1960 421 EN86

Elateridae, Entomology, Insect identification, Insect taxonomy.

18522-68

NEW APHIS SPECIES (HEM., APHIDIDAE) FROM AUSTRALIA.

V F Eastop

Entornol Mon Mag (SER.4)96(247-249):173 Jul 1960 421 EN86

Aphididae, Entomology, Insect identification, Insect taxonomy. New species are: Apterae viviparae and A. canberrae.

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A PRELIMINARY ACCOUNT OF SOME DATA ON HETEROPTERA TAKEN AT LIGHT IN THE NEW WORLD TROPICS.

M G Emsley

Entornol Mon Mag (SER.4)97(273-276):205-207

Sep 1962 421 EN86

Entomology, Heteroptera, Indexing, Insect taxonomy, Light traps, Tables (data).

NOTES ON NEOTROPICAL TABANIDAE (DIP-TERA). XI. STENOTABANUS STARYI N. SP. FROM CUBA.

G B Fairchild

Psyche 74(3):208-211

Sep 1967 421 P95

Insect taxonomy, Tahanidae.

EUPELMIDAE OF THE SAHARA (HYM. CHAL-CIDOIDEA). (FR)

C Ferriere

Schweiz Entomol Ges Mitt 39(1/2):118-130

15 Sep 1966 420 SW6

Calisota, Chalcidoidea, Eupelmidae, Insect taxonomy. Includes Calisota saharensis and C. mateui, n. spp.

18526-68

BRED OPIINAE FROM EUROPE (HYMENOP-TERA, BRACONIDAE). (GE)

M Fisher

60(3):318-350 REF

Oct 1967

Braconidae, Insect rearing, Opiinae.

RESULTS OF THE ALBANIAN EXPEDITION OF THE DEUTSCHES TOMOLOGISCHES INSTITUT. 60TH CONTRIBUTION. SURVEY OF THE FIRST EVALUATION PHASE 1961 TO 1965. (GE)

G Friese

Beitr Entomol 17(3/4):389-404

1967 421 B392

Albania, Insects, Surveys. English summary.

18528-68

DESCRIPTION OF HAEMAGOGUS AERITINC-TUS, A NEW SPECIES FROM BRITISH HON-DURAS, WITH A NOTE ON THE VALIDITY OF HAEMAGOGUS LUCIFER (H. D. AND K.) (DIP-TERA) CULICIDAE).

P Galindo H Trapido

Entomol Soc Wash Proc 69(2):103-111

Jun 1967 420 W27

Culicidae, Ficus, aeritinctus. Haemogogus Haemogogus lucifer, Insect behavior, Insect taxonomy, Rhizophora, Zoogeography.

TWO GLOUCESTERSHIRE ORTHOPTEROIDS. R S George

Entomol Mon Mag (SER.4)97(262-264):244

Oct 1961 421 EN86

Blattella germanica, Forficula auricularia, Orthoptera, Taxonomy, Zoogeography.

SYMPOSIUM ON MICROENVIRONMENT AND BIOLOGY OF SOIL. INVITATIONAL PAPERS PRESENTED AT THE FIFTY-NINTH ANNUAL
MEETING OF THE AMERICAN MEETING OF PHYTOPATHOLOGICAL SOCIETY, WASHINGTON, D. C., AUGUST 20-24, 1967.

LM Good

Phytopathology 58(7):889

Jul 1968 464.8 P56

Ecology, Environment, Microorganisms, Nematology, Plant diseases, Soil biology.

THE GENUS APROSTOCETUS WESTWOOD, SENSU LATO (HYM., EULOPHIDAE); NOTES ON THE SYNONYMY OF EUROPEAN SPE-CIES.

M W R Graham

Entomol Mon Mag (SER.4)97(253-255):34-64 REF

Jan 1961 421 EN86

Aprostocetus, Eulophidae, Hymenoptera, Nomenclature, Taxonomy

18532-68

THE AGROMYZIDAE (DIPTERA) OF WOOD-WALTON FENI SUPPLEMENT.

G C D Griffiths

Entomol Mon Mag (SER.4)98(270-2):155-158 Jun 1962 421 EN86

Agromyzidae, Biology, Breeding, Color, Comfrey, Insect identification, Insect taxonomy, Morphology.

A NOTE ON SOME AGROMYZIDAE (DIP-TERA) FROM NORTHERN PERSIA INCLUD-ING A NEW LIRIOMYZA SPECIES.

G C D Griffiths

Entomol Mon Mag (SER.4)99(280-281):75-79 Apr 1963 421 EN86

Agromyzidae, Diptera, Liriomyza, Reports, Taxonomy, Zoogeography.

18534-68

THE SEPARATION OF SITOPHILUS ORYZAE (L.) AND S. ZEAMAIS MOTSCHULSKY (COL., CURCULIONIDAE), WITH A SUMMARY OF THEIR DISTRIBUTION.

D G H Halstead

Entornol Mon Mag (SER.4)99(280-281):72-74

Apr 1963 421 EN86

Coleoptera, Insect dissemination, Sitophilus oryzae, Sitophilus zeamais, Zoogeography.

18535-68

LEPIDOPTERA NEW TO LANCASHIRE AND WESTMORLAND.

Entomol Mon Mag (SER.4)97(257-259):100 May 1961 421 EN86

Lepidoptera, Taxonomy, Zoogeography.

TRANSIENT COMPETITIVE DISPLACEMENT IN NATURAL POPULATIONS OF WHIRLIGIG

C Istock

Ecology 48(6):929-937, AUTUMN REF 1967 410 EC7

Gyrinidae, Insect ecology, Zoogeography.

NOTES ON THE SYSTEMATICS, PLANTS, AND BIONOMICS OF THE BRUCHID MEROBRUCHUS AND STATOR. (COLEOPTERA: BRUCHIDAE). C D Johnson

Pan-pacific Entomol 43(4):264-271 REF

Oct 1967 421 P193

Bruchidae, Insect biology, Insect taxonomy, Legumes, Merobruchus, Stator.

18538-68

THE BRITISH SPECIES OF THE GENUS LON-GITARSUS LATREILLE (COL., CHRYSOME-LIDAE).

D K Kevan

Entomol Mon Mag 103(1235-37):83-110

Apr 1967 421 EN86

Cuticle, Insect behavior, Insect identification, Insect taxonomy, Longitarsus, Physiology, Research.

EGG PARASITES OF LARCH SWAFLIES IN GREAT BRITAIN.

R C Kirkland A Paramonov

Entomol Mon Mag (SER.4)98(265): 3

Jan 1962 421 EN86

Insect behavior, Insect eggs, Parasitism, Pristiphora erichsonii, Taxonomy.

18540-68

HOST CATALOGUE OF BRITISH EN-TOMOGENOUS FUNGI: FIRST SUPPLEMENT. D Leatherdale

Entomol Mon Mag (SER.4)97(262-264):226-227 Oct 1961 421 EN86

Entomology, Fungi, Insect behavior, Parasitism.

NEW COUNTY RECORDS OF HEMIPTERA-HETEROPTERA.

D Leston T R E Southwood

Entomol Mon Mag (SER.4)9(253-255):32-33

Jan 1961 421 EN86

Hemiptera, Heteroptera, Taxonomy, Zoogeography.

18542-68

OBSERVATIONS ON THE MIRID (HEM.) HOSTS OF BRACONIDAE (HYM.) IN BRITAIN. D Leston

Entomol Mon Mag (SER.4)97(256): 65-71

Apr 1961 421 EN86

Braconidae, Hemiptera, Hymenoptera, Insect hehavior, Parasitism, Research, Zoogeography.

ADDITIONAL NOTES ON DIPTERA (TABANIDAE) FROM DELAWARE:. D MacCreary

Brooklyn Entomol Soc Bull 58(4):97-98

Oct 1963 420 B79

Diptera, Reports, Tabanidae, Taxonomy, Zoogeography.

18544-68

NEW RECORDS OF HEMIPTERA-HETEROP-TERA FROM WILTSHIRE AND NORTH SOMERSET.

A M Massee

Entornol Mon Mag (SER.4)97(273-276):263

Sep 1962 421 EN86

Entomology, Hemiptera, Heteroptera, Insect identification, Insect taxonomy.

TECHNIQUES FOR DETERMINING THORACIC SCALE PATTERNS ON ALCOHOL-PRESERVED MOSQUITOES.

R G Means

Brooklyn Entomol Soc Bull 58(4):126

Oct 1963 420 B79

Alcohols, Culicidae, Insect identification, Scales (insects), Taxonomy, Thorax.

THE FEMALE SEX OF THE MUTILLIDAE SUBFAMILY EOTILLINAE (HYMENOPTERA). C E Mickel

Psyche 74(3):234-236

Sep 1967 421 P95 Insect taxonomy, Prototilla.

18547-68 ANTHONOMUS RUFUS GYLL. (COL., CURCU-LIONIDAE) IN LANCASHIRE.

M G Morris

Entomol Mon Mag 102(1229-1231):220

Oct 1966 421 EN86

Anthonomus rufus, Colcoptera, Taxonomy, Zoogeography.

18548-68

KAROTYPES AND DEVELOPMENTAL STAGES OF HARPYRHYNCHUS NOVOPLU-MARIS SP. N. (ACARI: CHEYLETOIDEA: HAR-PYRHYNCHIDAE), A PARASITE OF NORTH AMERICAN BIRDS.

W W Moss J H Oliver B C Nelson

J Parasitol 54(2):377-392 REF

Apr 1968 448.8 J824

Birds, Genetics, Harpyrhynchus novoplumaris, Mites, Physiology, Taxonomy.

Abstract: The karyotypes strongly suggest the haplo-diploid method of sex determination, with n02. There is a strong possibility that the species is arrhenotokous. The developmental stages for both sexes of the mite are: egg, larvae, protonymph, deutonymph, and adult; all stages subsequent to the egg exhibits sexual dimorphism.

RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT, 66TH CONTRIBUTION, HYMENOPTERA: TIPHIIDAE. (GE)

I Oehlke

Beitr Entornol 17(3/4):517-520

1967 421 B392

Hymenoptera, Tiphiidae. English summary.

MOTHS UNRECORDED FROM SHIKOKU. M Okada

Shikoku Entomol Soc Trans 7(1-2):64 Aug 1961 420 SH6

Insect identification, Insect migration, Moths, Research. Eupithecia gigantea, Collix griseipalpis, Apatele alni, rhynchina abducalis, and Rhynchina columbaris are the moths listed

SIPHONAPTERA FROM KENT.

E.G. Philo

Entomol Mon Mag (SER.4)97(262-264):254-258 REF

Oct 1961 421 EN86

Siphonaptera, Taxonomy, Zoogeography.

SOME MUSCIDAE (DIPTERA) FROM THE PHILIPPINE ISLANDS AND THE BISMARCK ARCHIPELAGO. 1. THE GENUS MYIOPHAEA ENDERLEIN.

A C Pont

Entomol Medd 35(2):105-124 REF

1967 421 EN82

Insect taxonomy, Muscidae, Myiophaea, Zoogeography.

A PRELIMINARY EXPERIMENTAL STUDY OF THE SEX ATTRACTIVENESS OF FEMALE LEPIDOPTERA ACROLEPIA ASSECTELLA (ZELLER) UNDER NATURAL CONDITIONS. (FR)

R Rahn

Ann Epiphyt 19(2):367-377

1968 464.9 F84AN

Acrolopia assectella, Crops, Insect flight, Lepidoptera, Population statistics, Research. English sum-

18554-68

A NEW BRITISH AGROMYZID FLY.

O W Richards

Entomol Mon Mag (SER.4)99(284-286):162 Aug 1963 421 EN86

Agromyzidae, Diptera, Taxonomy, Zoogeography. 18555-68

BIOMETRIC DATA FOR RHOPALOSIPHUM FITCHII SAND. (HEM., APHIDIDAE) WITH NOTES ON SYNONYMY.

J P Rogerrson

Entomol Mon Mag (SER.4)96(241): 19-21

Jan 1968 421 EN86

Biometry, Color, Insect identification, Morphology, Research, Rhopalosiphum litchii, Taxonomy.

ALATE APHIDS TRAPPED IN POTATO FIELDS IN CUMBERLAND, WESTMORLAND AND NORTHUMBERLAND.

J P Rogerson

Entomol Mon Mag 102(1229-1231):247-257

Oct 1966 421 EN86

Aphididae, Insect traps, Potatoes, Taxonomy, Zoogeography.

18557-68

NEW PANAMANIAN STINK BUG (HETEROPTERA; PENTATOMIDAE, DISCOCEPHALINAE).

H Ruckes

Brooklyn Entomol Soc Bull 58(4):129-132 Oct 1963 420 B79

Heteroptera, Pentatomidae, Taxonomy.

NEW NAME COMBINATIONS AND NOTES ON SOME AFRICAN AND ASIAN SPECIES OF ALEYRODIDAE (HOMOPTERA).

L Russell

Brooklyn Entomol Soc Bull 57(3):63-65

Jun 1962 420 B79

Aleyrodidae, Homoptera, Insect identification, Insect taxonomy.

18559-68

TAXONOMIC NOTES ON SOME LARVAE OF THE GENUS AEDES (DIPTERA: CULICIDAE) FROM LOKOJA IN NORTHERN NIGERIA.

M W Service

Entomol Mon Mag (SER.4)96(250-252):229-230 Oct 1960 421 EN86

Aedes, Entomology, Insect identification, Insect taxonomy, Larvae.

18560-68

MOSQUITO RECORDS FROM NORTHERN NIGERIA.

M W Service

Entomol Mon Mag (SER.4)98(266): 25-26

Feb 1962 421 EN86

Culicidae, Reports, Zoogeography.

18561-68

THE GOLDEN BUPRESTID BUPRESTIS AURU-LENTA L. (COL., BUPRESTIDAE) IN BRITAIN. M W Shaw

Entomol Mon Mag (SER.4)97(257-259):97-98 May 1961 421 EN86

Buprestidae, Buprestis aurulenta, Zoogeography.

18562-68

NEW OF SPECIES THE GENUS HETEROTHOPS STEPH. FROM CZECHOSLOVAKIA. 78. CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE.

A Smetana

Acta Ent Bohemoslov 64(6):466-471

20 Nov 1967 420 C33

Heterothops balthasari, Staphylinidae.

18563-68

DROSOPHILIDAE (DIPTERA) OCCURRING AT NESTON, CHESHIRE.

K G Smith

Entomol Mon Mag (SER.4)96(242): 47

Fcb 1960 421 EN86

Diptera, Drosophilidae, Taxonomy, Zoogeography.

18564-68

HYDROGEN ION CONCENTRATION (PH) AS RELATED TO THE OCCURRENCE AND ABUNDANCE OF TREE-HOLE DWELLING CU-SPP., IN LICOIDES SPI CERATAPOGONIDAE) (DIPTERA: NORTHERN FLORIDA.

W W Smith J H Varnell

Mosquito News 27(4):519-521 REF

Dec 1967 421 M85

Ceratopogonidae, Culicoides, Habitats, Hydrogenion concentration, Insect ecology.

TWO NEW LYGAEIDAE (HEMIPTERA) FROM AFRICA.

TRE Southwood

Entomol Mon Mag (SER.4)98(270-2):172-174 Jun 1962 421 EN86

Color, Cuticle, Insect identification, Lygaeidae, Taxonomy.

18566-68

SOME SARCOPHAGIDAE (DIPTERA) FROM THE BISMARCK ISLANDS AND THE PHILIP-PINES.

H de Souza Lopes

Entomol Medd 35(2):143-176 REF

1967 421 EN82

Diptera, Insect taxonomy, Sarcophagidae, Zoogeography.

18567-68

FURTHER RECORDS OF CAMBRIDGESHIRE BEES AND WASPS.

G M Spooner

Entomol Mon Mag (SER.4)98(265): 17

Jan 1962 421 FN86

Bees, Hymenoptera, Taxonomy, Zoogeography.

A COLLAPSIBLE TRUCK-BOAT TRAP FOR COLLECTING BLOOD-FED MOSQUITOES AND TABANIDS.

C D Steelman C G Richardson R E Schaefer B H Wilson

Mosquito News 28(1):64-67 REF

Mar 1968 421 M85

Boats, Culicidae, Insect collecting equipment, Insect traps, Tabanidae, Trucks.

A NEW CULEX (MELANOCONION) FROM FLORIDA (DIPTERA, CULICIDAE).

A Stone J A Hair

Mosquito News 28(1):39-41 REF

Mar 1968 421 M85

Culex cedecci, Insect biology, Insect taxonomy, Zoogeography.

A NEW PARASIMULIUM AND FURTHER RECORDS FOR THE TYPE SPECIES (DIP-TERA: SIMULIIDAE).

A Stone

Brooklyn Entomol Soc Bull 58(4):127-129

Oct 1963 420 B79

Diptera, Insect identification, Simuliidae, Taxono-

18571-68

CHECKLIST OF WEST AFRICAN CULICINI (DIPT., CULICIDAE) WITH BRIEF NOTES ON TERRITORIAL DISTRIBUTION AND BREED-

G Surtees

Entomol Mon Mag (SER.4)97(256): 73-77

Apr 1961 421 EN86

Breeding, Culicidae, Diptera, Insect dissemination, Zoogeography.

SOME RECORDS OF ECTOPARASITES FROM BIRDS COLLECTED AT THE JERSEY BIRD OBSERVATORY.

G B Thompson

Entomol Mon Mag (SER.4)96(247-249):197 Jul 1960 421 EN86

Birds, Insect identification, Insect taxonomy, Parasitic insects, Parasitism.

18573-68

ON THE NOMENCLATURE OF SOME IN-SECTS RELATED TO LAC.

R K Varshney

Entomol Mon Mag (SER.4)99(284-286):195-197

Aug 1963 421 EN86

Lac, Nomenclature, Taxonomy.

CARDIGANSHIRE FLEA RECORDS.

K C Walton

Entomol Mon Mag (SER.4)99(284-286):164 Aug 1963 421 EN86

Siphonaptera, Taxonomy, Zoogeography.

SAWFLIES (HYM., SYMPHYTA) COLLECTED BY MR. J. E. COLLIN AND MR. E. C. M. D'AS-SIS-FONSECA IN THE SCOTTISH SIS-FONSECA IN THE S HIGHLANDS, MAY AND JUNE, 1959.

L H Woollatt Entomol Mon Mag (SER.4)97(256): 87-88

Apr 1961 421 EN86

Hymenoptera, Taxonomy, Zoogeography.

18576-68

BEES AND WASPS OF CAM-THE BRIDGESHIRE.

P.F. Yeo

Entomol Mon Mag (SER.4)97(260): 159-161 Aug 1961 421 EN86

Bees, Hymenoptera, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

18577-68

STUDIES ON THE NATURAL ENEMIES OF IN-SECT PESTS OF WEST PAKISTAN FORESTS. FINAL REPORT, JUNE 1961- JUNE 1966. SB942.G5.

83 P. REF

Jun 1966

Forests, Insect pests, Predaceous insects, Reports, Research, Tables (data).

18578-68

EXPERIMENTS CONCERNING THE FLUENCE OF INSECTICIDES IN-INSECTICIDES ARTHROPOD POPULATIONS. (GE)

F A Abdel-Salam G Dosse H Geidel

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(8):461-467 REF

Aug 1968 464.8 Z3

Arthropoda, Biochemistry, Chemical control (insects), Insecticides, Measurement, Population, Research. English summary.

18579-68

PEST INFESTATION RESEARCH 1967, 423,92 G792.

80 P.

1967

Biochemistry, Fumigants, Insect biology, Insect pests, Insecticides, Pest control, Reports, Research, Storage.

18580-68

UNDESCRIBED SPECIES OF NE-MATOCEROUS DIPTERA.

C P Alexander

Brooklyn Entomol Soc Bull 57(2):33-39

Apr 1962 420 B79

Color, Entomology, Hahitats, Insect identification, Taxonomy, Tipulidae.

STUDIES ON OVERWINTERING ANTHOCORIS (HEM., ANTHOCORIDAE).

N H Anderson

Entomol Mon Mag (SER.4)98(265): 1-3

Jan 1962 421 EN86

Anthocoridae, Hemiptera, Hihernation, Insect behavior, Research.

STUDIES ON THE LIFE HISTORY OF THE BROWN PLANTHOPPER SMALLER (LAODELPHAX STRIATELLUS FALLEN). (KO

D H Bai M K Baik K M Choi

Korea Min Agr Forest Office Rural Develop Res Rep 10(3):91-96

Sep 1967 22.5 K843

Crops, Eggs, Hibernation, Laodelphax striatellus, Physiology, Research. English summary.

18583-68

THE BIOLOGY OF EURYTOMA ROSENI CLARIDGE (HYM., EURYTOMIDAE).

R Bailey

Entomol Mon Mag 102(1229-1231):221-225 Oct 1966 421 EN86

Biology, Eurytoma roseni, Eurytomidae, Hymenoptera, Insect physiology.

DAILY PATTERNS IN THE ACTIVITY OF THE ARBOREAL ANT AZTECA ALFARI.

F H Barnwell

Ecology 48(6):991-993, AUTUMN

1967 410 EC7

Cecropia peltata, Insect behavior, Insect ecology.

Abstract In the movement of the arboral ant to the trunk of a tree forked near the ground, two different daily patterns have been recorded. One activity was strictly diurnal and the other occurred just after sunset.

POPULATION DYNAMICS OF APHIS FABAE SCOP. AND THE INFLUENCE OF COCCINEL-LIDAE. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

K Behrendt 259-262

1966

Aphis fabae, Climate, Coccinellidae, Population, Predaceous insects, Research.

18586-68

CHANGES ASSOCIATED WITH PARASITISM CHANGES ASSOCIATED WITH PARASITISM IN NEMATODES. IV. CYTOCHEMICAL STUDIES ON THE AMPULLA OF THE DORSAL ESOPHAGEAL GLAND OF MELOIDOGYNE JAVANICA AND ON EXUDATIONS FROM THE BUCCAL STYLET.

A F Bird

J Parasitol 54(5):879-890 REF

Oct 1968 448.8 J824

Cytology, Glands (insects), Histochemistry, Meloidogyne javanica, Nematodes, Parasitism, Research, Spectroscopy.

18587-68

THE DEVELOPMENT AND FECUNDITY OF ADALIA BIPUNCTATA L. AND COCCINELLA SEPTEMPUNCTATA L. FEEDING ON VARIOUS SPECIES OF APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

R L Blackman

41-43

1966

Adalia bipunctata, Coccinella septempunctata, Feeding, Fertility, Insect morphology, Larvae, Photoperiodism, Reproduction, Research, Temperature.

18588-68

STIMULATION OF YOLK DEPOSITION IN AN ICHNEUMONID PARASITOID BY FEEDING SYNTHETIC JUVENILE HORMONE.

G K Bracken K K Nair

Nature 216(5114):483-484

04 Nov 1968 472 N21

Biochemistry, Diet, Exeristes comstockii, Feeding, Fertility, Hormones, Ichneumonidae, Insect eggs, Ovulation, Parasitic insects, Yolk sac.

18589-68

NOTES ON ANT VECTORS IN THE LIFE-CYCLE OF A TREMATODE.

A N Brangham

Entomol Mon Mag (SER.4)96(243): 54-56 REF Mar 1960 421 EN86

Formicidae, Insect behavior, Insect vectors, Reports, Trematoda.

A CIRCADIAN PATTERN IN THE RESPIRA-TION OF LARVAE OF THE MOSQUITO CULEX PIPIENS.

J D Buffington

Mosquito News 28(1):95-98 REF

Mar 1968 421 M85

Culex pipiens, Diurnal rhythm, Insect respiration, Larvae, Phototropism, Temperature.

Abstract:Respiration of second,third,and fourth instar larv is modified by engogenous influences. This endogenous patte of respiration is prohably adaptive in response to temperatu fluctuations in the environment, and timing of this pattern depends on lught cues for entrainment.

18591-68

OBSERVATION ON THE EFFECT OF TEM-PERATURE ON THE DEVELOPMENT AND THE LEG COLORATION OF OSCINELLA FRIT L. (DIPT., OSCINELLIDAE).

J A Bullock

Entomol Mon Mag (SER.4)98(267-9):93-94

Mar 1962 421 EN86

Color, Insect cages, Legs, Morphology, Oscinella frit, Research, Temperature.

18592-68

BRITISH DIPTERA ASSOCIATED WITH FUN-GI. HI. FLIES OF ALL FAMILIES REARED FROM ABOUT 150 SPECIES OF FUNGI. P.A. Buyton

Entomol Mon Mag (SER.4)96(243-244):61-94 Mar 1960 421 EN86

Diptera, Fungialnsect rearing.

EFFECTS OF ACTINOMYCIN DON DEVELOP. MENT IN PUPAE OF TENEBRIO MOLITOR. A M Chase

Nature 215(5109):1516-1517

30 Sep 1967 472 N21

Actinomycin d, Biochemistry, Deoxyrihonucleic acid, Dosage, Drug therapy, Injections, Insect morphology, Pupae, Research, Ribonucleic acid, Tenebrio molitor.

A LOCAL SURVEY OF THE DISTRIBUTION OF INDUSTRIAL MELANIC FORMS IN THE MOTH BISTON BETULARIA AND ESTIMATES OF THE SELECTIVE VALUES OF THESE IN AN INDUSTRIAL ENVIRONMENT.

C A Clarke P M Sheppard

165(1001):424-439,MAP

11 Oct 1966

Industrial concentration, Insularia, Melanosis, Moths, Natural selection, Smoke, Surveys.

18595-68

THE INFLUENCE OF FOOD CONDITION ON LONGEVITY OF SITOPHILUS GRANARIUS (L.)(COL., CURCULIONIDAE).

C W Coombs G E Woodroffe Entomol Mon Mag (SER.4)99(284-286):145-146 Aug 1968 421 EN86

Coleoptera, Food, Insect physiology, Longevity, Sitophilus granarius.

CHRYSOPA CARNEA STEPH. (NEUR CHRYSOPIDAE) IN AN UNUSUAL HABITAT. (NEUR.,

M. J. Cotton

Entomol Mon Mag (SER.4)97(257-259): May 1961 421 EN86

Chrysopa carnea, Chrysopidae, Ecology, Hahitats.

ENFORCING INSECTICIDE-CONTENT WATER QUALITY STANDARDS.

W.S.Cox

Science 159(3819):1123-1124

08 Mar 1968 470 SC12

Aquatic animals, Biochemistry, Insecticides, Water.

18598-68

STABILIZED INSECTICIDAL PHOSPHORODITHIOATES IN POWDERS OF SUBSTANTIALLY IRON-FREE KIESELGUHR WITH LOW VOLATILE SOLVENT OILS. PATENT 3,390,048.

N G Cutler

Us Patent Office Offic Gaz 851(4):1075

25 Jun 1968 156.65 OF2

Insecticides, Patents.

32-PHOSPHORUS TRACER STUDIES OF A HORSEWEED-APHID-ANT FOOD CITAIN.

A A De la Cruz R G Wiegert

Amer Midland Natur 77(2):501-509 REF Apr 1967 410 M58

Aphididae, Dorymyrmex pyramicus, Erigeron ecanadensis, Formicidae, Insect ecology, Phosphorus isotopes, Radioactive tracers, Weeds. Abstract: Earlier studies with 32P indicate that Dorymyrmex pyramicus, supposedly a predator

and scavenger species, was feeding on horseweed (Erigeron canadensis). This supposition was based on an unusual pattern of 32P uptake in the ant population. The present investigation showed that Dorymyrmex is indeed a consumer of horseweed, accomplished not through herbivory, but instead by tending aphids present on these plants and ingesting honeydew.

COLD FLOUR BEETLE: REMINISCENCE OR CHANGE OF BIAS.

J A Deutsch

Science 160(3831):1023

31 May 1968 470 SC12

Cooling, Experimental insects, Insect physiology, Research, Tenebrio molitor, Time.

18601-68

MOUTHPARTS OF THE BITING AND BLOOD-SUCKING TYPE IN TANYDERIDAE AND CHIRONOMIDAE (DIPTERA).

J A Downes D H Colless

Nature 214(5095):1355-1356

24 Jun 1967 472 N21

Chironomidae, Diptera, Morphology, Mouth parts, Research, Tanyderidae.

18602-68

OCCURRENCE OF SYRPHID LARVAE ON SOME APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS, SB975.0S9.

J Dusek P Laska

37-38

1966

Aphididae, Food, Insect behavior, Insect ecology, Insect pests, Larvae, Plants, Research, Syrphidae.

SOME NOTES ON NATURAL ENEMIES OF LYGAEIDAE (HEM.).

A C Eyles

Entomol Mon Mag (SER.4)97(273-276):226-227 Sep 1962 421 EN86

Diptera, Fungi, Insect diseases, Lygaeidae, Natural control (insects), Parasitism, Predaceous insects, Research

18604-68

THE EFFECT ON HONEYBEE MORTALITY OF APPLYING INSECTICIDES AS SPRAYS OR GRANULES TO FLOWERING FIELD BEANS.

J B Free P H Ncedham P A Racey J H Stevenson J Sci Food Agr 18(4):133-138

Apr 1967 382 SO12

Apis mellifera, Beans, Disulfoton, Formulations, Insecticide application, Methyl demeton, Oxydemetonmethyl, Phorate, Poisoning, Spraying. Sprays killed bees; granules did not. After becoming systemic in plants, insecticides seemed harm-

18605-68

THE EFFECT OF ACTIDIONE (CYCLOHEXI-MIDE) ON THE ADULTS OF DACUS OLEAE (DIPTER: TEPHRITIDAE). (FR)

E Fytizas

Ann Epiphyt 19(2):261-265 REF

1968 464.9 F84AN

Antibiotics, Chemicals, Chemosterilants, Cycloheximide, Dacus oleae, Insect morphology, Insecticides, Longevity, Research. English summa-

18606-68

GENETICS AND **CYTOLOGY** OF PHYTOPHTHORA.

J Galindo G A Zentmyer

Nature 214(5095):1356

24 Jun 1967 472 N21

Chromosomes, Culture media, Cytology, Environ-Genetics, Phytophthora drechsleri, Phytophthora infestans, Reproduction, Research.

SYNERGISTIC EFFECT OF TWO STIMU-LANTS TO INDUCE PROBING IN STOMOXYS CALCITRANS.

A G Gatchouse

Nature 216(5117):794-795

25 Nov 1967 472 N21

Ammonia, Biochemistry, Experimental insects, Feeding, Humidity, Research, Stimulants, Stomoxys calcitrans, Temperature.

SECRETIONS FROM THE LAZERAL SCENT GLANDS OF THE GREEN VEGETABLE BUG, NEZARA VIRIDULA.

A R Gilby D F Waterhouse

Nature 216(5110):90-91

07 Oct 1967 472 N21

Biochemistry, Cells, Insect physiology, Nezara viridula, Scent glands.

ESTABLISHMENT OF A LINE OF CELLS FROM THE SILKWORM BOMBYX MORI.

T D C Grace

Nature 216(5115):613

11 Nov 1967 472 N21

Antheraea pernyi, Bombyx mor Chromosomes, Culture media, Cytology. mori. Cells.

THE AGROMYZIDAE (DIPTERA) OF WOOD-WALTON FEN.

G C D Griffiths

Entomol Mon Mag (SER.4)98(270-2):125-155 Jun 1962 421 EN86

Agromyzidae, Biology, Color, Insect identification, Insect migration, Larvae, Research. A list of insects are given

18611-68

BUTTERFLY MIGRATION.

M D Gwynne

Entomol Mon Mag (SER.4)97(262-264):201-203 Oct 1961 421 EN86

Butterflies, Entomology, Insect behavior, Insect migration.

QUANTITY OF APHIDS REQUIRED FOR REPRODUCTION BY HIPPODAMIA SPP. IN THE LABORATORY. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

K S Hagen R R Sluss

47-59 REF

1966

Aphididae, Experimental insects, Feeding, Hip-podamia, Insect behavior, Ovulation, Population, Reproduction, Research, Tables (data).

THE TIME ELEMENT IN DEVELOPMENT OF COLOUR ON ADULT DIPTERA AND ON THAT OF A CICADA (HOMOPTERA).

G H Hardy Entomol Mon Mag (SER.4)96(241): 5-7

Jan 1968 421 EN86

Cicadidae, Color, Diptera, Entomology, Environment, Research, Taxonomy.

18614-68

FOOD ECOLOGY OF APHIDOPHAGUS COC-CINELLIDAE. IN HIS ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

1 Hodek 23-30 REF.

1966

Aphididae, Coccinellidae, Coleomegilla maculata, Economies, Food, Insect ecology, Insect morphology, Research, Rodolia.

18615-68

INFLUENCE OF PREDATION OF COCCINEL-LA SEPTEMPUNCTATA L. ON APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.S9.

I Hodek J Holman K Novak V Skuhravy 265

1966

Aphididae, Aphis fabae, Coccinella septempunetata, Insect outbreaks, Predaceous insects, Research, Sugar beets.

18616-68

ECOLOGY OF APHIDOPHAGOUS INSECTS. SYMPOSIUM, 1965 MEETING, SEPTEMBER 27-OCTOBER I, 1965 LIBLICE CZECHOSLOVAKIA. SB975.0S9.

I Hodek

360P. PRAGUE, CZECHOSLAVAK ACADEMY OF SCIENCES

Aphididae, Insect biochemistry, Insect eeology, Reports, Research, Symposia.

DRINKING OF WATER BY FLEAS.

D A Humphries

Entomol Mon Mag 102(1229-1231):260-262 REI

Oct 1966 421 EN86

Insect behavior, Insect biology, Siphonaptera, Water.

18618-68

COLORATION OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSKAL) REARED IN ISOLATION.

P Hunter-Jones

Entomol Mon Mag (SER.4)98(267-9):89-92

Mar 1962 421 EN86

Color, Insect rearing, Laboratories, Morphology, Research, Schistocerea gregaria.

A NOTE ON THE POLYMORPHISM OF PHILAENUS SPUMARIUS (L.) (HOMOPT., CERCOPIDAE) IN BRITAIN.

G.F. Hutchinson

Entomol Mon Mag (SER.4)99(284-286):175-178 Aug 1963 421 EN86

Homoptera, Morphology, Philaenus spumarius.

18620-68

THE FALL WEBWORM ARE INFESTATIONS LIMITED BY NATURAL CONTROL.

L L Hyche

Highlights 15(3):13 FALL

1968 100 ALIH

Fungi, Hyphantria cunea, Insect diseases, Insect pests, Natural control (insects), Parasitic insects, Research, Tree injuries.

HOST SELECTION BY THE POLYPHAGOUS SPECIES PHYTOMYZA ATRICORNIS MEIGEN (DIPT., AGROMYZIDAE).

N W Hyssex B Gurney

Entomol Mon Mag (SER.4)98(266): 42-47

Feb 1962 421 EN86

Diptera, Insect behavior, Parasitism, Phytomyza atricornis.

SOME GENERA, ESPECIALLY EUTETTIX OF JAPAN AND FORMOSA (HEMIPTERAL DELTOCEPHALIDAE).

T Ishihara

Shikoku Entomol Soc Trans 7(4):119-124

May 1963 420 SH6

Eutettix, Insect identification, Insect migration, Research.

NOTES ON THE FOOD HABITS OF INSECTS IN KAGAWA.

K Iwata

Shikoku Entomol Soc Trans 7(4):105;124

May 1963 420 SH6 Feeding, Insect behavior, Insect migration, Insects,

MISCELLANEOUS BIOLOGICAL NOTES ON ACULEATE HYMENOPTERA IN KAGAWA IN THE YEARS OF 1948 AND 1949.

Shikoku Entomol Soc Trans 7(4):114-118

May 1963 420 SH6

Biology, Hymenoptera, Insect identification, Reports, Research.

ENTOMOLOGY

18625-68

18625-68

ALCOHOL DEHYDROGENASE OF DROSO-PHILA: INTERCONVERSION OF ISOEN-ZYMES.

K B Jacobson

Science 159(3812):324-325 REF

19 Jan 1968 470 SCI2

Adenine nucleotides, Alcohol dehydrogenase, Biochemistry, Dehydrogenases, Drosophila melanogaster, Electrophoresis, Enzymes, Heat, Nicotinamide, Temperature.

18626-68

GRASSHOPPERS AND LOCUSTS IN WESTERN AUSTRALIA.

C F H Jenkins

West Aust J Agr 9(6):169-178

Jun 1968 23 W520J

Acrididae, Aerial spraying, Chemical control (insects), Crop yields, Grasshoppers, Histology, Insect outbreaks, Insect pests.

18627-68

SOME HYMENOPTEROUS PARASITES OF CATERPILLARS ON OAK TWIGS IN WINTER. K Kanamitsu

Entornol Mon Mag (SER.4)97(253-255):11-14 Jan 1961 421 EN86

Caterpillars, Hymenoptera, Insect behavior, Parasitism, Quercus.

CARDIOACCELERATOR RELEASE IN PERIPLANETA AMERICANA (L.).

S B Kater

Science 160(3829):765-767 REF

17 May 1968 470 SC12

Brain, Corpora cardiaca, Dorsal vessel, Electrocardiograms, Heart rate, Insect physiology, Peptides, Periplaneta americana, Research.

A NOTE ON ABNORMAL OVIPOSITION HABITS OF THE COWPEA WEEVIL, CAL-LOSOBRUCHUS MACULATUS.

E W King

Brooklyn Entornol Soc Bull 58(2-3):61

Apr 1963 420 B79

Callosobruchus maculatus, Cowpeas, Insect abnormalities, Insect behavior.

18630-68

DEFENSE AND AVOIDANCE REACTION OF PLANT LICE (APAIDIDAE) UPON THREAT BY PREDATORS AND PARASITES. (E)

F Klingauf

60(3):269-317 REF

Oct 1967

Natural control (insects), Parasites, Parasitic insects, Predaceous insects. English and German summaries.

A PRELIMINARY STUDY OF THE DIETARY REQUIREMENTS OF TOMOCERUS (COLLEM-BOLA).

C B Knight R A Angel

Amer Midland Natur 77(2):510-517 REF

Apr 1967 410 M58

Collembola, Feeding, Fungi, Insect behavior, Insect nutrition.

Abstract: Tomocerus was exposed to four different diets: (1) litter and fungi, (2) fungi, (3) humus and fungi, (4) humus, litter and fungi. Fungus spores were ingested in greater quantity than any other single food material. Organisms that were examined from the field had ingested more litter and fungal hyphae than fungal spores. Disparity of results between laboratory and field population comes from absence, or low density, of spores under normal conditions.

MISCELLANEOUS PREY RECORDS OF SOLI-TARY WASPS. V. (HYMENOPTERA: ACUL-GATA).

K V Krombein

Brooklyn Entornol Soc Bull 58(4):118-120

Oct 1963 420 B79

Aculeata, Hymenoptera, Insect behavior, Predaceous insects, Reports.

18633-68

OBSERVATIONS, INCLUDING NEW RECORDS, OF SOME NEARCTIC PILIDAE (HYMENOPTERA). PRFY POM-

F E Kurczewski

Brooklyn Entomol Soc Bull 57(4):85-90

Oct 1962 420 B79

Hymenoptera, Insect behavior, Pompilidae, Research.

18634-68

VARIATION IN MALE GENITALIA OF DROSOPHILA AURARIA COLLECTED IN NA-TURE.

H Kurokawa

Annot Zool Jap 40(3):154-160 REF

Sep 1967 410 AN79

Drosophila auraria, Morphology, Reproductive organs.

Abstract: Among flies collected at Todoroki, a suburb of Tokyo, a few Drosophila auraria showed variable characteristics in male phallic organs. Some females collected at Nopporo in Hokkaido, which had been identified as race A at the time of collection, produced F1 offsprings showing variable characteristics in male phallic organs. The peculiarity in the phallic organs found in these males seems to be the same as that found in interracial hybrids obtained in experimental condition. It is, thus, conjectured that they might have derived from cross between different races in nature.

18635-68

NOTES ON OVERWINTERING SOME LADYBIRDS (COL., COCCINELLIDAE.

C Lane

Entomol Mon Mag (SER.4)97(257-259):99-100 May 1961 421 EN86

Coccinellidae, Coleoptera, Hibernation, Insect behavior, Reports.

ROUND THE BLUE LAMP.

C Lane

Entornol Mon Mag (SER.4)99(284-286):189-195 REF

Aug 1963 421 EN86

Entomology, Insect behavior, Insect collecting equipment, Light traps.

18637-68

HATCHING OF THE WINTER EGGS OF THE FRUIT-TREE RED SPIDER (PANONYCHUS ULMI (KOCH)). MITE

W 1 St. G Light M E John H J Gould K J Coghill Ann Appl Biol 62(2):227-239

Oct 1968 442.8 AN72

Fruit, Insect behavior, Insect eggs, Mites, Panonychus ulmi, Reproduction.

18638-68

THE CALCIUM SENSITIVITY OF ATPASE AC-TIVITY OF MYOFIBRILS AND ACTOMYOSINS FROM INSECT FLIGHT AND LEG MUSCLES.

K Maruyama J W S Pringle R T Tregear 169(1016):229-240 REF

27 Feb 1968

Actomyosins, Apis mellifera, Atpase, Biochemistry, Calcium, Coleoptera, Cryptocerata, Insect flight, Locusta migratoria, Muscles, Myofibrils.

18639-68

PETROBIA LATENS (MULLER)(ACARINA, TETRANYCHIDAE) RECORDED ON FRUIT IN KENT.

A M Massee

Entomol Mon Mag (SER.4)97(262-264):227 Oct 1961 421 EN86

Acarina, Fruit, Insect behavior, Petrobia latens, Tetranychidae.

18640-68

INFESTATION OF EMULSION PAINT BY THE FLY MEGASELIA SCALARIS (LOEW)(DIPT., PHORIDAE).

A W R McCrae

Entomol Mon Mag 102(1229-1231):24-243

Oct 1966 421 EN86

Diptera, Insect behavior, Megaselia scalaris, Phoridae.

BIOCHEMICAL DIFFERENTIATION OF THE BLACK WIDOW SPIDERS. SIBLING LATRODECTUS MACTANS AND L. VARIO-LUS.

J D McCrone

Psyche 74(3):212-217 REF

Sep 1967 421 P95

Biochemistry, Insect morphology, Insect physiology, Latrodectus mactans, Latrodectus variolus, Spiders.

18642-68

THE OLD HOUSE BORER.

T McIntyre R A St. George USDA Leaft 501,8P.

May 1968 1 AG840L

Aging, Fumigation, Household insects, Hylotrupes bajulus, Insect behavior, Insect identification, Natural control (insects).

CHANGE IN PATTERNS OF INHIBITION BY ACTINOMYCIN D OF URIDINE-H3 INCOR-PORATION INTO SALIVARY GLAND RNA OF RHYNCHOSCIARA AT DIFFERENT LARVAL AGES.

R Meneghini H A Armelin F J S Lara

Biochem Biophys Res Commun 32(5):846-851

06 Sep 1968 442.8 B5236

Actinomycin d, Biochemistry, Insect cultures, Larvae, Rhynchosciara, Rihonucleic acid, Salivary glands (insects), Uridine.

18644-68

LARVAE OF THE GREY CHIMOTH, ANTI-TYPE (POLIA) CHI (L.) (LEP., CARADRINIDAE), FEEDING ON LEAVES OF ONION (ALLIUM CEPA). P M Miles

Entomol Mon Mag (SER.4)99(284-286):140 Aug 1963 421 EN86

Insect behavior, Larvae, Leaves, Lepidoptera, Moths, Onions.

CIRCADIAN OSCILLATION CONTROLLING HATCHING: ITS ONTOGENY DURING EMB-RYOGENESIS OF A MOTH. D H Minis C S Pittendrigh

Science 159(3814):534-536

02 Feb 1968 470 SCI2

Diurnal rhythm, Embryology, Insect eggs, Insect physiology, Moths, Pectinophora gossypiella.

18646-68

NOTES ON THE BUPRESTIDAE.

G H Nelson

Brooklyn Entomol Soc Bull 57(2):56-60 Apr 1962 420 B79

Buprestidae, Insect identification, Insect migration, Research. A list of insects are given

18647-68

FLIGHT BEHAVIOUR OF THE AFRICAN MIGRATORY LOCUST (LOCUSTA MIGRATORIA MIGRATORIOIDES R. AND F.).

B Nickerson

Entomol Mon Mag (SER.4)98(267-9):80-81

Mar 1962 421 EN86 Andropogon, Feeding, Insect flight, Laboratories, Locusta migratoria migratorioides, Physiology, Research.

18648-68

AN EXPERIMENTAL STUDY OF THE EFFECT OF CHANGING LIGHT INTENSITY ON THE ACTIVITY OF ADULT LOCUSTS.

B Nickerson

Entomol Mon Mag (SER.4)99(284-286):139-140 Aug 1963 421 EN86

Acrididae, Cicadidae, Insect behavior, Insect physiology, Lighting, Research.

NORTH CAROLINA INSECTICIDE REPORT FOR JANUARY 1- DECEMBER 31, 1967.

N C Dep Agr Bull 192:185 P.

Jun 1968 2 N81B

Aerial spraying, Biochemistry, Chemical control (insects), Insecticides, Legislation, Poisoning, Reports, Tables (data). The bulletin of the north carolina dept. of agriculture.

18650-68

MULTIPLICATION OF DROSOPHILA HEREDI-TARY VIRUS (SIGMA VIRUS) IN DROSO-PHILA EMBRYONIC CELLS CULTIVATED IN VITRO.

A Ohanessian G Echalier Nature 213(5080):1049-1050 11 Mar 1967 472 N21

Cells, Culture media, Drosophila, Embryology, Hereditary diseases, Insect diseases, Insect eggs, Virus diseases (animals).

18651-68

DRY SEASON BIOLOGY OF ANOPHELES GAMBIAE GILES IN THE SUDAN.

S M Omer J L Cloudsley-thompson

Nature 217(5131):879

02 Mar 1968 472 N21

Anopheles gambiae, Insect behavior, Insect cultures, Insect eggs, Insect traps, Ovaries, Pyrethrum, Research, Spraying.

18652-68

STUDIES ON THE CARRIER OF PESTICIDES. (KO)

S S Park J Y Lce K T Chun D S Lcc

Korea Min Agr Forest Office Rural Develop Res Rep 10(3):129-139 REF

Sep 1967 22.5 K843

Benzene hexachloride, Epn, Insect vectors, Malathion, Pesticides. English summary.

PHENOL OXIDASES OF A LOZENGE MUTANT OF DROSOPHILIA.

E E Pecples D R Barnett C P Oliver

Science 159(3814):548-552

02 Feb 1968 470 SC12

Aging, Animal extracts, Drosophilia melanogaster, Insect physiology, Mutation, Oxidascs, Phenols, Sex

18654-68

PRELIMINARY OBSERVATIONS ON THE IN-CIDENCE AND BIOLOGY OF A MERMITHID NEMATODE OF AEDES (WALKER) IN LOUISIANA. SOLLICITANS

J J Petersen H C Chapman D B Woodard

Mosquito News 27(4):493-498 REF

Dec 1967 421 M85

Aedes sollicitans, Agamomeris culicis, Insect diseases, Mermithidae, Nematodes, Parasitism.

18655-68

THE MIGRATION OF INSECTS IN TH SPANISH CENTRAL PYRENEES, AUTUMN, 1958.

G C Phillips

Entomol Mon Mag (SER.4)96(247-249):145-148 MAP REF

Jul 1960 421 EN86

Insect dissemination, Insect flight, Insect migration, Zoogeography.

NOTES ON THE COLLECTION OF BRITISH ANTS IN THE HOPE DEPARTMENT AT OX-FORD.

A J Pontin

Entornol Mon Mag (SER.4)98(267-9):63

Mar 1962 421 EN86

Formicidae, Insect identification, Research. A list of ants are given

18657-68

SOME IMPROVED METHODS FOR KEEPING ANT NESTS IN THE LABORATORY.

A J Pontin

Entomol Mon Mag (SER.4)98(267-9):64-65 Mar 1962 421 EN86

Environment, Feeding, Formicidac, Insect physiology, Insect rearing, Laboratories, Research.

A NOTE ON THE BEHAVIOR OF LASIUS FU-LIGINOSUS (LATR.)(HYM. FORMICIDAE).

A J Pontin

Entomol Mon Mag (SER.4)97(257-259):137

May 1961 421 EN86

Formicidae, Hymenoptera, Insect behavior, Lasius fuliginosus.

18659-68

ASSOCIATION OF FOLIN POSITIVE MATERI-AL WITH THE BLOOD PROTEINS OF THE AMERICAN COCKROACH AND THE OVIPOSI-TION CYCLE.

G E Pratt

Nature 214(5092):1034-1035

03 Jun 1967 472 N21

Blood proteins, Insect physiology, Oviposition, Ovipositors, Periplaneta americana.

PASSIVE DISPERSAL OF VIABLE ALGAE AND PROTOZOA BY CERTAIN CRANEFLIES AND MIDGES.

D L Revill K W Stewart H E Schlichting Ecology 48(6):1023-1027, AUTUMN REF 1967 410 EC7

Algae, Cecidomyiidae, Chaoborus, Ecology, Insect vectors, Protozoa, Tipulidae.

18661-68

THE PREY OF A RHODESIAN POMPILID WASP.

O W Richards

Entomol Mon Mag (SER.4)98(266): 38 Feb 1962 421 EN86

Food, Insect behavior, Pompilidae.

18662-68

VAGRANT ERIOPHYID MITES ON ELM.

R H Richens

Entomol Mon Mag (SER.4)97(262-264):264

Oct 1961 421 EN86

Eriophyidae, Insect behavior, Mites, Ulmus.

AERONAUTIC BEHAVIOR IN THE GENUS PARDOSA (ARANEAE, LYCOSIDAE).

C J J Richter

Entomol Mon Mag 103(1235-37):73-74

Apr 1967 421 EN86

Biology, Insect behavior, Insect flight, Laboratories, Pardosa, Research.

18664-68

RECORDS OF HYMENOPTEROUS PARASITES AND HYPERPARASITES OF CERTAIN FRUIT-TREE APHIDS.

G.H.L. Rothschild

Entornol Mon Mag (SER.4)99(282-283):126-127 Jun 1963 421 EN86

Aphididae, Fruit, Hymenoptera, Insect behavior, Parasitism, Reports, Trees.

A FURTHER NOTE ON INSECT MIGRATION ON THE NORTH COAST OF FRANCE.

M Rothschild

Entomol Mon Mag (SER.4)99(284-286):163-164 Aug 1963 421 EN86

Insect behavior, Insect migration.

18666-68

ACETYLCHOLINESTERASE INSENSITIVITY IN THE BIARRA STRAIN OF THE CATTLE TICK BOOPHILUS MICROPLUS, AS A CAUSE OF RESISTANCE TO ORGANOPHOSPHORUS AND CARBAMATE ACARICIDES. W J Roulston H J Schnitzerling C A Schuntner

Australian J Biol Sci 21(4):759-767

Aug 1968 442.8 AU72

Acaricides, Acctylcholinesterases, microplus, Carbamates, Diazinon, Metabolism, Organic compounds, Phosphorus, Toxicology.

18667-68

MECHANICAL FACTORS AFFECTING THE ATPASE ACTIVITY TRACTED INSECT OF GLYCEROL-EX-INSECT FIBRILLAR FLIGHT MUSCLE.

J C Ruegg R T Tregear

165(1001):497-512

11 Oct 1966

Atpase, Biochemistry, Calcium, Cryptocerata, Glyccrol, Insect flight.

INVISIBLE INSECTS WHICH CAUSE ITCHES MAY BE A SOURCE OF BUSINESS FOR PCOS.

D.F. Schneider

Pest Contr 36(10):68-74

Oct 1968 449.8 EX8

Agricultural outlook, Chemicals, Insect pests, Pest control, Research, Sampling (statistics).

ALKALINE PHOSPHATASE RELATIONSHIPS IN DROSOPHILA.

H Schneiderman

Nature 216(5115):604-605

11 Nov 1967 472 N21

Alkaline phosphatase, Biochemistry, Drosophila melanogaster, Electrophoresis, Insect physiology, Larvac, Trypsin.

18670-68

LARVAL-PUPAL TRANSFORMATION: CON-TROL BY JUVENILE HORMONE.

F Sehnal A S Mover

Science 159(3818):981-984 REF

01 Mar 1968 470 SC12

Galleria, Hormones, Insect morphology, Larvae, Pupae.

18671-68

EFFECT OF BLOOD FRACTIONS UPON OVIPOSITION IN CULEX(CULEX) FATIGANS WIEDEMANN (DIPT., CULICIDAE).

M W Service

Entomol Mon Mag (SER.4)21(245): 98-100

May 1960 421 EN86

Blood, Culex, Culex quinquefasciatus, Culicidae, Diptera, Insect physiology, Ovulation.

HYPERA (PHYTONOMUS) ARATOR L. (COL. CURCULIONIDAE) ASSOCIATED ACIDITY IN BARLEY.

M W Shaw Entomol Mon Mag (SER.4)21(245): 104

May 1960 421 EN86

Acids, Barley, Coleoptera, Insect behavior, Insect pests.

18673-68

ALPHITOBIUS LARGE NUMBERS OF DIAPERINUS PANZ. (COL., TENEBRIONIDAE) IN BROILER HOUSES.

M W Shaw

Entornol Mon Mag (SER.4)97(262-264):230 Oct 1961 421 EN86

Alphitobius diaperinus, Chickens, Coleoptera, Houses, Population.

18674-68

THE GOLDEN BUPRESTID (COL.) IN BRITAIN- A POSTSCRIPT.

M W Shaw

Entomol Mon Mag (SER.4)98(267-9):96

Mar 1962 421 EN86 Buprestis aurulenta, Morphology, Research.

STUDIES ON THE SCUTELLAR BRISTLES OF DROSOPHILA MELANOGASTER, I, BASIC VARIABILITY, SOME TEMPERATURE AND

CULTURE EFFECTS, AND RESPONSES TO SHORT-TERM SELECTION IN THE OREGON-

B L Sheldon

Australian J Biol Sci 21(4):721-740 REF

Aug 1968 442.8 AU72

Alleles, Anatomy, Culture media, Drosophila melanogaster, Environment, Morphology, Temperature.

18676-68

FOOD ECOLOGY OF APHIDOPHAGOUS IN-SECTS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

B C Smith 19-22 REF.

1966

Food, Insect ecology, Mortality, Parasitic insects, Predaceous insects, Research.

18677-68

FEFFCT FOOD SOME OF ON APHIDOPHAGOUS COCCINELLIDAE. IN: ED. HODEK. **ECOLOGY** OF 1. APHIDOPHAGOUS INSECTS, SB975.0S9.

B C Smith 75-81

1966

Coccinellidae, Fertility, Food, Insect behavior, Insect morphology, Insect physiology, Larvae, Longevity, Predaceous insects, Tables (data), Zoogeography.

SOME SPECIES OF SARCOPHAGA (DIPT., CALLIPHORIDAE OCCURRING FETCHAM, SURREY.

K G Smith

Entoinol Mon Mag (SER.4)98(267-9):81

Mar 1962 421 EN86

Insect dissemination, identification. Insect Research, Sarcophaga.

INHIBITION OF DEVELOPMENT IN DROSO-PHILA BY CORTISONE.

P D Smith P B Koenig J C Lucchesi

Noture 217(5135):1286

30 Mar 1968 472 N21

Chromosomes, Cortisone, Culture media, Drosophila, Genes, Insect morphology, Ribonucleic acid, Salivary glands (insects).

CONTROL OF TARSONEMID MITES IN FUN-GAL CULTURES.

R S Smith

Mycologio 59(4):600-609 REF

Jul 1967-450 M99

Acaricides, Chemical control (pests), Culture media, Fungi, Mites, Tarsonemidae.

18681-68

NOTES ON LIGHT TRAP CATCHES OF HETEROPTERA MADE IN THE TROPICS.

T.R. F. Southwood

Entomol Mon Mog (SER.4)21(245): 114-117 May 1960 421 EN86

Heteroptera, Insect behavior, Insect traps, Light traps, Research.

SOME AGROMYZIDAE (DIPTERA) FROM MOROCCO.

K A Spencer

Entomol Mon Mog 103(1235-37):126-130

Apr 1967 421 EN86

Agromyzidae, Biology, Cuticle, Insect dissemination, Insect identification, Research.

THE NATURAL HISTORY OF MONOMORIUM PHARAONIS (L.) (HYM., FORMICIDAE) INFESTING HOUSES IN NIGERIA.

Entomol Mon Mog (SER.4)98(270-2):164-166 Jun 1962 421 EN86

Food, Histology, Houses, Insect dissemination, Laboratories, Monomorium pharaonis, Reports.

STUDIES ON THE OVIPOSITION BEHAVIOR AND THE DEVELOPMENT OF THE TYPE OF AEDES AEGYPTI L. (DIPT., CULICIDAE). V.

Entoinol Mon Mog (SER.4)96(262): 121-123 REF

Jun 1960 421 EN86

Aedes aegypti, Chemoreceptors, Insect behavior, Insect ecology, Insect temperature, Light, Oviposition. Reproduction.

18685-68

STUDIES ON THE OVIPOSITION BEHAVIOR AND DEVELOPMENT OF THE TYPE FORM OF AEDES AEGYPTI L. (DIPT., CULICIDAE). IV. LIGHT INTENSITY.

G Surtees

Entornol Mon Mog (SER.4)21(245): 103

May 1960 421 EN86

Acdes aegypti, Culicidae, Diptera, Insect behavior, Insect physiology, Light, Ovulation, Research.

18686-68

STUDIES ON THE OVIPOSITION BEHAVIOUR AND DEVELOPMENT OF THE TYPE FORM OF AEDES AEGYPTI L. (DIPT., CULICIDAE). III. TEMPERATURE.

G Surtees

Entornol Mon Mag (SER.4)21(245): 101-102 May 1960 421 FN86

Aedes aegypti, Culicidae, Diptera, Insect behavior, Insect physiology, Ovulation, Research, Temperature

THE PARASITES OF BRITISH BIRDS AND MAMMALS. XXXV. THE ECTOPARASITES OF THE SWALLOW (HIRUNDO RUSTICA RUSTICA L.).

G B Thompson

Entornol Mon Mog (SER.4)97(256): 79-83 REF Apr 1961 421 EN86

Birds, Insect behavior, Mammals, Parasitism.

THE PARASITES OF BRITISH BIRDS AND MAMMALS. XXXVI, NEW RECORDS OF BAT PARASITES.

Entornol Mon Mag (SER.4)97(257-259):131-134 May 1961 421 EN86

Bats, Birds, Insect behavior, Mammals, Nycteribiidae, Parasitism, Taxonomy.

X-RAY INDUCTION OF AUTOSOMAL TRANS-LOCATIONS IN MATURE OOCYTES OF DROSOPHILA MELANOGASTER.

H Traut

Noture 214(7089):718-719

13 May 1967 472 N21

Drosophila melanogaster, Insect dissemination, Irradiation, Morphology, Research, X-rays.

ULTRASTRUCTURE THE METASTERNAL GLANDS OF ANTS. G S Tulloch J E Shapiro B Hershenov

Brooklyn Entornol Soc Boll 57(4):91-101 Oct 1962 420 B79

Electrons, Formicidae, Insect anatomy, Light.

THE INTERRELATIONSHIP OF THE APHID ACYRTHOSIPHON PISUM, AND PARASITE, APHIDIUS SMITHI, IN A STABLE ENVIRONMENT.

R Van Den Bosch C F Lagace V M Stern Ecology 48(6):993-1000 AUTUMN REF 1967 410 EC7

Acyrthosiphon Alfalfa. Aphididae, pisum. smithi, Demography, Aphidius Ecology, 18692-68

BARK BEETLE AGGREGATION: EFFECTS OF FEEDING ON THE RELEASE OF PHEROMONES IN DENDROCTONUS AND IPS. 1 P Vite G B Pitman

Noture 218(5137):

13 Apr 1968 472 N21

Bark, Dendroctonus brevicomis, Dendroctonus frontalis, Dendroctonus ponderosae, Insect physiology, Ips, Parasitism, Pheromones.

18693-68

CHEMICAL INSECT CONTROL HANDBOOK. SB951.0W3.

226 P. PULLMAN, WASHINGTON STATE UNIVERSITY

Apr 1968

Accident prevention, Biochemistry, Chemical control (insects), Crops, Handbooks, Insect control, Insect pests, Insecticides, Livestock, Mites, Plant injuries, Reference materials, Tables (data).

18694-68

POPULATION STUDIES ON THE ACTIVE STAGES OF THE BLACK BEAN APHID, APHIS FABAE SCOP., ON ITS WINTER HOST EQUONYMUS EUROPAEUS L.

M J Way C J Banks

Ann Appl Biol 62(2):177-197 REF

Oct 1968 442.8 AN72

Aphis fabae, Beans, Euonymus europaeus, Insect behavior, Population, Research.

18695-68

STUDIES ON THE PERSISTENCE AND EF-FECTS ON SOIL FAUNA OF SOME SOIL-AP-PLIED SYSTEMIC INSECTICIDES.

M J Way N E A Scopes

Ann Appl Biol 62(2):199-214

Oct 1968 442.8 AN72

Biochemistry, Insect control, Insecticides, Pesticide residues, Research, Soils.

18696-68

IMPORTANCE OF INTRASPECIFIC COMPETI-TION IN APHIDS. IN: HODEK, I., ED. ECOLO-APHIDOPHAGOUS OF INSECTS. SB975.0S9.

M J Way

283

1966 Aphididae, Aphis fabae, Insect cages, Morphology, Mortality, Reproduction, Research.

PATTERN RECOGNITION IN BEES.

R Wehner

Nature 215(5107):1244-1248 REF

16 Sep 1967 472 N21

insects, Measurement, Bees, Experimental Research, Stimulants, Vision.

18698-68

THE FREQUENCY OF OCCURRENCE OF MACROPTEROUS FORMS OF NORMALLY BRACHYTEROUS SPECIES OF HEMIPTERA-HETEROPTERA DURING 1959.

G E Woodroffe Entoinol Mon Mag (SER.4)96(241): 13

Ian 1968 421 FN86

Environment, Genetics, Hemiptera, Heteroptera, Polymorphism, Research. A list of insects are given

18699-68

X-RAY STALKS OLD HOUSE BORER.

H O Yates lif

Pest Contr 36(10):52-59

Oct 1968 449.8 EX8

Equipment, Pest control, Radiography, Research, Surveys, X-rays.

GENETICS

18700-68

CAFFEINE-INDUCED MUTAGENESIS IN DROSOPHILA.

T Alderson A H Khan

Nature 215(5105):1080-1081

02 Sep 1967 472 N21

Agar, Biochemistry, Caffeinc, Drosophilidae, Feeding, Injections, Insect genetics, Mutagens, Mutation, Ribonucleic acid.

18701-68

SALIVARY GLAND CHROMOSOMES IN FOUR SPECIES OF TROPICAL ANOPHELINES: A. SUBPICTUS, A. VAGUS, A. HYRCANUS NIGERRIMUS AND A. BARBIROSTRIS.

B N Chowdaiah T T Avirachan P L Seetharam Indian Acad Sci Proc Sect B 65(5):181-184 REF May 1967-513 IN25B

Anopheles, Chromosomes, Cytology, Insect evolution, Insect genetics, Salivary glands.

18702-68

GENE ACTIVATION WITHOUT HISTONE ACETYLATION IN DROSOPHILA MELANOGASTER.

E G Ellgaard

Science 157(3792):1070-1072

01 Sep 1967 470 SC12

Acetates, Autoradiography, Drosophila melanogaster, Genes, Histones, Insect genetics, Radioactive tracers.

Abstract

18703-68

NATURAL SELECTION AND FEEDING SPEED IN A BLOOD-SUCKING INSECT.

J D Gillett

167(1008):316-329 REF

28 Mar 1967

Aedes aegypti, Aedes africanus, Culicidae, Hypersensitivity, Natural selection, Parasitic insects, Salivary glands (insects).

Abstract: Mosquitoes, which depend on a blood meal for egg production, must complete their meal within the safety period in order to lay a full complement of eggs. Thus, fast feeders and those producing a delay in the onset of irritation will tend to lay more eggs, and these two properties will be maintained by natural selection.

18704-68

THE INHERITANCE OF A PEARL-EYED MUTATION OF TROGODERMA GRANARIUM EVERTS (COL., DERMESTIDAE).

E M Reynolds N K Sylvester

Entomol Mon Mag (SER.4)97(262-264):221-224 Oct 1961 421 EN86

Coleoptera, Eyes, Inheritance, Mutation, Trogoderma granarium.

MEDICAL ENTOMOLOGY

18705-68

DOMESTIC QUARATINE NOTICES. JAPANESE BEETLES.

R J Anderson

Fed Regist 33(164):11887-11890

22 Aug 1968 L1.451

Agricultural regulation, Animal quarantine, Insect control, Insect dissemination, Livestock diseases, Popillia japonica.

18706-68

DEGRADATION OF HUMAN SERUM PROTEINS IN THE DIGESTIVE TRACT OF MOSQUITOES.

P Mattern R Masseycff R Taufflieb M Cornct

Nature 215(5106):1193-1194

09 Sep 1967 472 N21

Culex quinquefasciatus, Environment, Enzymes, Feeding, Gastrointestinal system, Humans, Immunology, Proteins, Research, Serum.

18707-68

CONTROL OF MOSQUITOES WITH DURSBAN INSECTICIDE APPLIED AS A THERMAL FOG. W O Miller J C McNeill D W Micks P D Ludwig Mosquito News 28(1):58-62 REF

BIBLIOGRAPHY

Mar 1968 421 M85

Chemical control (insects), Culcx pipiens quinquefasciatus, Insecticidal aerosols, Malathion, Naled.

18708-68

ANNUAL REPORT OF THE INSECT VECTOR CONTROL DIVISION (PREVIOUSLY THE MALARIA DIVISION) OF THE MINISTRY OF HEALTH AND HOUSING OF THE GOVERNMENT OF TRINIDAD AND TOBAGO FOR THE YEAR 1966.

Trinidad Tobago Min Health Housing Insect Vector Contr 34P.

1966 448.9 T73

Aedes aegypti, Blood tests, Climate, Diagnosis, Drug therapy, Human diseases, Insect traps, Insect vectors, Malaria, Malaria control, Spraying, Tables (data), Temperature, Weather.

18709-68

ULTRA-LOW VOLUME AND CONVENTIONAL AERIAL SPRAYS FOR CONTROL OF ADULT SALT-MARSH MOSQUITOES, AEDES SOLICITANS (WALKER) AND AEDES TAENIOR-HYNCHUS (WIEDEMANN), IN FLORIDA.

G A Mount C S Lofgren

Mosquito News 27(4):473-477 REF

Dec 1967 421 M85

Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Dosage, Fenthion, Insecticides, Malathion, Naled, Tidal marshes.

18710-68

OBSERVATIONS AND SPECULATIONS CONCERNING THE FLEA VECTOR OF MYXOMATOSIS IN BRITAIN.

M Rothschild

Entomol Mon Mag (SER.4)21(245): 106-109 REF

May 1960 421 EN86

Insect vectors, Myxomatosis, Research, Siphonaptera, Virus diseases (animals).

18711-68

HUMAN MALARIA IN NON-HUMAN PRIMATES: EXPERIMENTAL MOSQUITO TRANSMISSION AND INFECTION.

L C Rutledge D J Gould F C Cadigan V Chaicumpa

Mosquito News 28(1):46-49 REF

Mar 1968 421 M85

Animal diseases, Culicidae, Epidemiology, Insect vectors, Malaria, Monkeys, Plasmodium falciparum, Plasmodium vivax, Zoonoses.

18712-68

A REVIEW OF THE STATE'S TEN YEARS (1948-1957). RA644.M218.

Z Saliternik

47 P. REF

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Anopheles, Biochemistry, Chemical control (insects), Culex, Entomology, Human diseases, Insect vectors, Malaria, Malaria control, Research, Reviews, Schistosomiasis.

18713-68

DOMESTIC QUARANTINE NOTICES. JAPANESE BEETLE. REGULATED AREAS.

D R Shepherd

Fed Regist 33(164):11890-11892

22 Aug 1968 L1.451

Agricultural regulation, Animal quarantine, Insect dissemination, Insect vectors, Popillia japonica.

18714-68

EVALUATION OF THERMAL AND NONTHER-MAL FOGS AGAINST FOUR SPECIES OF MOSQUITOES.

R T Taylor H F Schoof

Mosquito News 28(1):8-- REF

Mar 1968 421 M85

Aedes taeniorhynchus, Anopheles albimanus, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticidal aerosols, Isopropoxyphenyl methylcarbamate, o-, Naled.

18715-68

ZOONOSES IN THE TROPICS.

J Van Der Hoeden

Refualt Vet 24(2):88-87

Jun 1967 41.8 R25

Animal diseases, Animal vectors, Human diseases, Public health, Zoonoses.

8716-68

THE EFFECTS OF VARIOUS ANESTHETICS ON THE ACTION OF DDT ON ANOPHELES LARVAE.

S A White J C Jones

Mosquito News 28(1):29-33 REF

Mar 1968 421 M85

Anesthetics, Anopheles quadrimaculatus, Ddt, DDT, DDt, Insect physiology, Insecticide synergists, Larvae.

CROP PRODUCTION

18717-69

EFFECT OF GIBBERELLIC ACID ON GENETICALLY CONTROLLED TUMOUR FORMATION AND VASCULARIZATION IN TOMATO.

M R Ahuja G R Doering

Nature 216(5117):800-801 REF

25 Nov 1967 472 N21

Breeding, Crown galls, Genes, Gibberellic acid, Plant anatomy, Plant genetics, Plant physiology, Research, Tomatoes.

18718-68

EXUDATION OF AMINO ACIDS BY INTACT AND DAMAGED ROOTS OF WHEAT AND PEAS.

W A Ayers R H Thornton

Plant Soil 28(2):193-207 REF Apr 1968 450 P696

Amino acids, Culture media, Nitrogen, Oxygen, Peas, Plant injuries, Quantitative analysis, Roots, Seedlings, Wheat.

18719-68

COTTON. SEEDLING DISEASES; VARIOUS ORGANISMS.

C W Blackman

Amer Phytopathol Soc (rep) 23:116-118

1967 464.9 AM31R

Chemicals, Cotton, Crop yields, Research, Seed treatment, Tables (data).

18720-68

COTTON. SEEDLING DISEASES, SEVERAL FUNGI.

C W Blackman

Amer Phytopathol Soc (rep) 23:96-98

1967 464.9 AM31R

Cotton, Crop yields, Fungi, Plant diseases, Research, Spraying, Tables (data).

18721-68

THIABENDAZOLE CONTROL OF PENICILLI-UM ROT OF MCINTOSH APPLES.

G D Blanpied A Purnasiri

Plant Dis Rep 52(11):867-871

Nov 1968 1.9 P69P

Apples, Chemical control (plant diseases), Fungicides, Penicillium expansum, Research, Storage, Thiazolyl)-benzimidizole, 2-(4-.

18722-68

TOMATO. GRAY LEAF SPOT, BACTERIAL LEAF SPOT; STEMPHYLIUM SOLANI, XANTHOMONAS VESICATORIA.

C H Blazquez

Amer Phytopathol Soc (rep) 23:87-88

1967 464.9 AM31R

Bactericides, Chemical control (plant diseases), Crop yields, Fungicides, Humidity, Spraying, Stemphylium solani, Tables (data), Tomatocs, Xanthomonas vesicatoria.

18723-68

POPLAR HYBRID, STORAGE BREAKDOWN; UNKNOWN CAUSE.

L W Carlson C Lindquist

Amer Phytopathol Soc (rep) 23:111

1967 464.9 AM31R

Chemicals, Fungicides, Plant cuttings, Research, Storage, Tables (data).

18724-68

WHITE SPRUCE DAMPING-OFF; SEVERAL, INCLUDING SPP. OF PYTHIUM, RHIZOCTONIA, AND FUSARIUM.

L W Carlson

Amer Phytopathol Soc (rep) 23:127

1967 464.9 AM31R

Captan, Chemical control (plant diseases), Fusarium, Pythium, Research, Rhizoctonia, Soils.

18725-68

POTATO. SEED PIECE DECAY, RHIZOCTONIA SOLAN.

R C Cetas

Amer Phytopathol Soc (rep) 23:120-121

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Dusting, Fertilizers, Fungicides, Insecticides, Potatoes, Rhizoctonia solani, Storage.

18726-68

RESPONSE OF MERISTEMS TO IN-DOLEACETIC ACID AND COLCHICINE: DIF-FERENCES BETWEEN PRIMORDIA AND ROOT MERISTEMS.

D Davidson R D MacLeod

Bot Gaz 129(2):166-171

Jun 1968 450 B652

Abnormalities, Broadbeans, Colchicine, Indoleacetic acid, Research, Roots, Seed treatment.

18727-68

SUGAR BEET. LEAF SPOT, CERCOSPORA BETICOLA.

C J Delp A W Engelhard

Amer Phytopathol Soc (rep) 23:102-103

1967 464.9 AM31R

Cercospora beticola, Chemical control (plant diseases), Fungicides, Spraying, Sugar beets.

18728-68

CHARACTERIZATION OF DIFFERENTIAL ALUMINUM TOLERANCE AMONG VARIETIES OF WHEAT AND BARLEY.

C D Foy A L Fleming G R Burns W H Armiger Soil Sci Soc Amer Proc 31(4):513

Jul 1967 56.9 SO3

Aluminum, Barley, Nutrient solutions (plants), Research, Roots, Wheat.

18729-68

PARASITOLOGY OF THE STRAWBERRY.

G L Gilles

Horticultural Abs 38(3):678

Sep 1968 241 IM74

Fungus diseases (plants), Insect pests, Nematodes, Parasitism, Plant protection, Strawberries, Virus diseases (plants).

18730-68

SORGHUM (RS610 AND RS625) (PINK KAFIR). SEED ROTS AND SEEDLING BLIGHTS, COVERED KERNEL SMUT; FUSARIUM, PYTHIUM, RHIZOCTONIA.

E D Hansing P S Rao J C Reyes

Amer Phytopathol Soc (rep) 23:121-122

1967 464.9 AM31R

Chemical control (plant diseases), Fusarium, Injections, Pythium, Research, Rhizoctonia, Sorghum, Tables (data).

18731-68

WHEAT (RED CHIEF). BUNT, TILLETIA FOETIDA.

E D Hansing

Amer Phytopathol Soc (rep) 23:126-127

1967 464.9 AM31R

Chemicals, Fungicides, Injections, Research, Tables (data), Tilletia foetida, Wheat.

18732-68

PLANT PATHOLOGY DEPARTMENT.

J M Hirst

Rothamsted Exp Sta Rep 1967:120-140

1968 103 R74GA

Chemical control (plant diseases), Crops, Fungus diseases (plants), Heat, Plant disease transmission, Proteins, Reports, Seedlings, Soil fumigation, Tables (data), Virus diseases (plants).

18733-68

MOLYBDENUM DEFICIENCY SYMPTOMS IN COTTON.

T L Kallinis H Vretta-Kouskoleka Soil Sci Soc Amer Proc 31(4):507

Jul 1967 56.9 SO3

Deficiency diseases, Leaves, Molybdenum compounds, Nutrient solutions (plants), Upland cotton.

18734-6

TOMATO. FUSARIUM WILT, FUSARIUM OX-YSPORUM F. LYCOPERSICI.

G Kantzes

Amer Phytopathol Soc (rep) 23:88

1967 464.9 AM31R

Chemical control (plant diseases), Fusarium oxysporum, Injections, Research, Soil fumigation, Tables (data), Tomatoes.

18735-68

APPLES. ROOT LESION NEMATODE, DAGGER NEMATODE; PRATYLENCHUS PENETRANS, XIPHINEMA AMERICANUM.

J A Knierim M A Veenstra F R Fronck Amer Phytopathol Soc (rep) 23:127-128

1967 464.9 AM31R Apples, Chemical control (insects), Chemicals, Pratylenchus penetrans, Research, Soil analysis,

18736-68

Xiphinema americanum.

RICE, DAMPING-OFF OF DRILL-SEEDED RICE; SEED-AND SOIL-BORNE PATHOGENS.

H A Lamey E R Wascom C D Brister H R Caffey Amer Phytopathol Soc (rep) 23:101-102 1967 464.9 AM31R

Chemicals, Rice, Seed germination, Seed treatment, Seeds, Soils, Tables (data).

18737-68

RICE. SEED ROT OF WATER-SEEDED RICE, AQUATIC AND RELATED FUNGI.

H A Lamey E R Wascom C D Brister H R Caffey Amer Phytopathol Soc (rep) 23:100 1967 464 9 AM31R

Aquatic fungi, Chemicals, Research, Rice, Seed planting, Storage, Tables (data), Water.

18738-68

APPLE. SCAB, MILDEW, MITES; VENTURIA INAEQUALIS PODOSPHAERA LEUCOTRICHA, PANONYCHUS ULMI, AND TETRANYCHUS TELARIUS.

F H Lewis

Amer Phytopathol Soc (rep) 23:43

1967 464.9 AM31R

Apples, Chemicals, Panonychus ulmi, Podosphaera leucotricha, Research, Tetranychus telarius, Trees, Venturia inaequalis.

18739-68

TOMATO. BUCKEYE ROT, PHYTOPHTHORA PARASITICA.

G D Lewis F Stellatella J Styers Amer Phytopathol Soc (rep) 23:89 1967 464.9 AM31R

Chemicals, Phytophthora parasitica, Research, Spraying, Tomatoes, Weather.

18740-68

SORGHUM. SEEDLING BLIGHT, RHIZOC-TONIA SP. AND FUSARIUM SP. N R Malm D C H Hsi R E Finkner Amer Phytopathol Soc (rep) 23:123

1967 464.9 AM31R

Captan, Dieldrin, Fusarium, Greenhouse culture, Pentachloronitrobenzene, Research, Rhizoctonia, Seed treatment.

18741-68

MORPHOLOGICAL AND CHEMICAL ANALYSES OF RED PINE (PINUS RESINOSA AIT.) BUDS. THEIR RELATIONSHIPS TO TREE GROWTH ON A K-DEFICIENT TO NON-DEFICIENT SITE CONTINUUN.

G M Marion J V Berglund A L Leaf Plant Soil 28(2):313-324 REF

Apr. 1068 450 P606

Apr 1968 450 P696

Chemistry, Correlation, Morphology, Physiology, Pinus resinosa, Research, Soil structure, Trees.

18742-68

SWEET POTATO. SOIL ROT, STREPTOMYCES IPOMOEA.

W J Martin

Amer Phytopathol Soc (rep) 23:104

1967 464.9 AM31R

Chemicals, Harvesting, Research, Soil moisture, Soil temperature, Streptomyces ipomoea, Sweet-potatoes.

18743-68

EFFECTS OF MALIC ACID SALTS ON GROWTH OF YOUNG COTTON EMBRYOS IN VITRO.

J R Mauney J Chappell B J Ward Bot Gaz 128(3):198-200

Sep 1967 450 B652

Ammonium, Calcium citrate, Chromatography, Cotton, Culture media, Malic acid, Physiology, Plant growth inhibitors, Research, Succinates.

18744-68

METHOD FOR REGULATING PLANT GROWTH. PATENT 3,376,125.

W C McConnell H W Rahn

Us Patent Office Offic Gaz 849(1):165

02 Apr 1968 156.65 OF2

Patents, Plant nutrition, Plant regulators, Seeds, Sodium azide.

8745-68

DECLINE OF QUINCE-ROOTED PEAR TREES IN SANTA CLARA COUNTY.

L B Jr. McNelly J A Beutel Horticultural Abs 38(3):679

Sep 1968 241 IM74

Nutrition, Pears, Quinces, Trees.

18746-68

THE EFFECT OF SILICA ON THE GROWTH OF RICE PLANT. (KO $)\,$

Y D Park

Korea Min Agr Forest Office Rural Develop Res Rep 10(3):55-61

Sep 1967 22.5 K843

Hydroponics, Insects, Nutrient solutions (plants), Plant physiology, Research, Rice, Roots, Silica. English summary.

18747-68

ORCHID. FLOWER SPOT, BOTRYTIS CINERFA.

J L Peterson S H Davis Jr.

Amer Phytopathol Soc (rep) 23:111

1967 464.9 AM31R

Botrytis cinerea, Flowers, Fungicides, Greenhouses, Orchidaceae, Research, Toxicology.

18748-6

INCIDENCE OF BROWN STEM ROT OF SOYBEANS IN NORTH CAROLINA.

D V Phillips J P Ross

Plant Dis Rep 52(11):895-896

Nov 1968 1.9 P69P

Brown stem rot (soybeans), Cephalosporium gregatum, Crop yields, Culture media, Research, Soyheans.

CHANGES IN THE STRUCTURE OF DIFFERENT VARIETIES OF WHEAT CULM IN DIFFERENT LOCALITIES AFTER TREATMENT WITH CCC. (ge)

E Primost G Rittmeyer

Z Acker- Pflanz 128(2):117-138 REF

Aug 1968 18 J825

Biochemistry, CCc, Culm, Nodules (plants), Plant Research, Wheat. English summary.

PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT I. PRETREATMENT OF ROOTS OF RICE SEEDLINGS TO CERTAIN CHEMICALS AND ANTIBIOTICS ON THE RHIZOSPHERE MICROFLORA.

T K Ramachandra Freddy

Plant Soil 28(2):347-356 REF

Apr 1968 450 P696

Chemicals, Crops, Nutrient solutions (plants), Research, Rhizosphere, Rice, Roots, Seedlings.

MICROORGANISMS IN PADDY SOIL. S597.R3. G Rangaswami R Venkatesan

192 P. REF INDIA, TRICHINOPOLY UNITED PRINTERS

Bacteria, Land, Manurcs, Nitrogen, Plants, Population, Rice, Roots, Soil microorganisms, Soils, Water.

18752-68

BARLEY. LOOSE SMUT, USTILAGO NUDA.

H E Reed A Y Chambers

Amer Phytopathol Soc (rep) 23:95

1967 464.9 AM31R

Barley, Crop yields, Fungicides, Research, Seed treatment, Seedlings, Ustilago nuda.

CONCENTRATIONS OF GIBBERELLIN IN CHILLED HAZEL SEEDS.

J D Ross J W Bradbeer

Nature 220(5162):85-86

05 Oct 1968 472 N21

Assay, Cold, Corylus avellana, Gibberellins, Plant physiology, Plant translocation, Research, Seed dormancy, Seedlings, Temperature.

18754-68

NORTHERN PIN OAK. CHLOROSIS, 1RON DEFICIENCY.

D F Schoeneweiss

Amer Phytopathol Soc (rep) 23:110-111

1967 464.9 AM31R

Chemicals, Chlorosis (plants), Plant nutritional deficiencies, Quercus palustris, Research, Soil analysis, Soil structure, Tables (data), Trees.

TOMATO. ANTHRACNOSE AND EARLY BLIGHT; COLLETOTRICHUM SPP., ALTERNARIA SOLANI.

W T Schroeder

Amer Phytopathol Soc (rep) 23:91-92

1967 464.9 AM31R

Alternaria solani, Chemicals, Colletotrichum, Fungicides, Research, Spraying, Tables (data), Tomatoes.

ABSTRACTS OF THE 1968 ANNUAL MEETING OF THE POTOMAC DIVISION OF THE AMER-ICAN PHYTOPATHOLOGICAL SOCIETY.

Phytopathology 58(7):883-888

Jul 1968 464.8 P56

Phytopathology, Plant disease control, Research.

STEROL-LIKE COMPOUNDS WITH AUXIN ACTIVITY IN HUMAN URINE.

J C Vendkig

Z Pflanzenphysiol 57(2):113-127 REF May 1967 450 Z32

Biochemistry, Chromatography, Hydrolysis, Indoleacetic acid, Plant hormones, Research, Steroids, Ultraviolet rays, Urine. German summary.

SEED TRANSMISSION STUDIES OF MAIZE DWARF MOSAIC VIRUS IN CORN.

L E Williams W R Findley E J Dollinger R M Ritter

Plant Dis Rep 52(11):863-864

Nov 1968 1.9 P69P

Biological transport, Dwarf disease (corn), Greenhouse culture, Harvesting, Research, Seedlings, Virus diseases (plants).

THE EFFECT OF FOUR GANOPHOSPHOROUS INSECTICIDES COCCINELLIDS AND CHRYSOPIDS. ON **ECOLOGY** OF APHIDOPHAGOUS INSECTS. SB975.0S9.

J Zeleny 337-340

Aphididae, Chemical control (pests), Chrysopidae, Coccincllidae, Insecticides, Organic compounds,

INFLUENCE OF FOLIAGE RUST ON YIELD, TEST WEIGHT, AND OIL PERCENTAGE OF SAFFLOWER SEED.

D E Zimmer A L Urie

Plant Dis Rep 52(11):876-878

Nov 1968 1.9 P69P

Crop yields, Harvesting, Maneb, Planting, Puccinia carthami, Rescarch, Safflower, Spraying.

DISEASES

PEANUT. SEEDLING BLIGHT: RHIZOCTONIA, FUSARIUM, AND THIELAVIOPSIS SPP.

Amer Phytopathol Soc (rep) 23:119-120

1967 464.9 AM31R

Chemicals, Dusting, Fusarium, Greenhouses, Peanuts, Research, Rhizoctonia, Soil structure, Tables (data), Thielaviopsis.

18762-68

SOME PERFORMANCE OF GRASSES AGAINST CEREAL ROSTS.

S T Ahmad S Singh

Indian Phytopathol 20(3):211-214 REF

Sep 1967 464.8 IN2

Fungus diseases (plants), Grasses, Plant disease resistance, Puccinia graminus tritici, Puccinia recondita, Rust (grain).

STUDIES ON TAPHRINA MACULANS BU-TLER, INCITING LEAF SPOT OF TURMERIC (CURCUMA LONGA L.). I. ISOLATION OF THE PATHOGEN.

L Ahmed N B Kulkarni

Mycopathol Mycol Appl 34(1):40-46 REF

19 Jan 1968 450 M994

Curcuma longa, Fungus diseases (plants), Leaf spot (Curcuma), Taphrina maculans.

TOMATO BUSHY STUNT VIRUS FROM PRU-NUS AVIUM L. I. FIELD STUDIES AND VIRUS CHARACTERIZATION.

W R Allen T R Davidson

Can J Bot 45(12):2375-2383 REF

Dec 1967 470 C16C

Bushy stunt (tomatoes), Datura, Mazzard cherries, Tomatoes, Virus diseases (plants). Apparently first isolation from Rosaceae; distinguishable from type strain

Abstract

18765-68

TOMATO BUSHY STUNT VIRUS AND PRUNUS AVIUM L. I. FIELD STUDIES AND VIRUS CHARACTERIZATION.

W R Allen T R Davidson

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Bushy stunt (tomatoes), Mazzard cherrics, Propertics, Research, Tomatocs, Virus diseases (plants).

PESTS AND DISEASES IN THE DECIDUOUS ORCHARDS OF ISRAEL. IN 1960-1964. SB608.F8A7.

Z Arenstein

30 P.

Mar 1965

Climate, Fruit, Insect pests, Plant diseases, Plant injuries, Spraying, Surveys.

18767-68

IN VITRO POLYMERIZATION OF WINTER WHEAT MOSAIC VIRUS ANTIGEN.

J G Atabekov G A Popova N A Kiselev A S Kaftanova

Virology 35(3):458-472 REF

Jul 1968 448.8 V81

Antigens, Centrifugation, Crystallography, Culture media, Density, Electron microscopy, Elec-trophoresis, Hydrogen-ion concentration, Leaves, Mosaic (wheat), Polymerization, Proteins, Sedimentation, Serological tests, Virus diseases (plants), Viscosity.

INHERITANCE OF RESISTANCE TO VENTU-RIA INEAQUALIS IN CRABAPPLES.

H S Bagga D M Boone

Phytopathology 58(8):1183-1187 REF

Aug 1968 464.8 P56

Crabapples, Fungus discases (plants), Inheritance, Plant discase resistance, Venturia inaequalis.

18769-68

GENES IN VENTURIA INAEOUALIS CON-TROLLING PATHOGENICITY TO CRABAP-

H S Bagga D M Boonc

Phytopathology 58(8):1176-1182 REF

Aug 1968 464.8 P56

Crabapples, Fungus diseases (plants), Genes, Genetics, Venturia inaequalis.

A SIMPLE TECHNIQUE FOR EVALUATING SYSTEMIC FUNGICIDES AND INSECTICIDES FOR CONTROL OF COTTON BOLL ROT.

H S Bagga

Plant Dis Rep 52(11):835-837

Nov 1968 1.9 P69P Boll rot (cotton), Chemical control (plant diseases), Equipment, Fungicides, Insecticides, Laboratories, Research, Upland cotton.

18771-68

STUDY ON THE INSECTICIDAL RESISTANCE ON RICE STEM BORERS (CHILO SUPPRES-SALIS WALKER). (KO)

D H Bai M K Baik S S Song

Korea Min Agr Forest Office Rural Develop Res Rep 10(3):123-127

Sep 1967 22.5 K843

Chemical control (insects), Chilo suppressalis, Epn, Hibernation, Insecticides, Laboratories, Research, Spraying. English summary.

18772-68

LEAF DIP SEROLOGY FOR ELECTRON MICROSCOPIC IDENTIFICATION OF PLANT VIRUSES.

E M Ball M K Brakke

Virology 36(1):152-155

Sep 1968 448.8 V81 Biochemistry, Dipping, Electron microscopy, Leaves, Methodology, Morphology, Serological tests, Virology, Virus diseases (plants).

18773-68

STEM AND ROOT DISEASES OF BEANS,

B Ballantyne

Agr Gaz New S Wales 79(8):463-468

Aug 1968 23 N472

BIBLIOGRAPHY

18774-68

Beans, Chemical control (plant diseases), Fusarium solani, Plant diseases, Plant injuries, Root rot (beans), Sclerotinia sclerotiorum.

18774-68

A METHOD OF SCREENING FOR RE-SISTANCE TO EARLY BLIGHT ON TOMATO SEEDLINGS. (ABSTRACTS).

T H Barksdale

Phytopathology 58(7):883

Jul 1968 464.8 P56

Alternaria solani, Early blight (tomatoes), Fluorescent lamps, Greenhouses, Light, Phytopathology, Plant disease resistance, Sporulation, Temperature, Tomatoes.

18775-68

HERBACEOUS HOST RANGES IN TWO PRUNUS LINE-PATTERN VIRUSES.

W Basak

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Host indexing (plants), Prunus, Virus diseases (plants).

18776-68

THE INFLUENCE OF ORGANIC SOIL AMENDMENT ON COMMON SCAB OF POTATO.

K C Basu-Chaudhary

Indiun Phytopathol 20(3):203-205, REF

Sep 1967 464.8 IN2

Cornmeal, Fungus diseases (plants), Scab (potatoes), Soil amendments, Soil microorganisms, Streptomyces scabies, Superphosphates. All amendments influenced scab development, which is correlated to the ratio between actinomycete and bacterial populations in the soil.

18777-68

INVESTIGATIONS ON STEM PITTING, SPY EPINASTY AND CHLOROTIC LEAF SPOT OF APPLES.

G Baumann

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Apples, Chlorotic leafspot (apples), Research, Stem pitting (apples), Virus diseases (plants).

18778-68

DISSEMINATION OF WATERBORNE ERWINIA AMYLOVORA BY WIND IN NURSERY PLANTINGS.

R J Bauske

Horticultural Abs 38(3):683

Sep 1968 241 IM74

Bacterial diseases (plants), Erwinia amylovora, Water Wind

18779-68

FACTORS AFFECTING GROWTH AND SUR-VIVAL OF THE MYCOPARASITE DARLUCA FILUM, (ABSTRACT).

G A Bean G W Rambo

Phytopathology 58(7):883

Jul 1968 464.8 P56

Darluca filum, Growth factors, Mortality, Parasitism, Plant temperature, Seed germination, Sporulation, Uromyces phaseoli typica, Water.

18780-68

RESULTS WITH BOTRYTIS CONTROL IN VITICULTURE.

K J Beetz

Horticultural Abs 38(3):688

Sep 1968 241 IM74

Botrytis, Culture media, Fungicides, Fungus diseases (plants), Pest control.

18781-68

INTENSIVE FIELD COMPARISON OF FUNGICIDES FOR APPLE MILDEW CONTROL.

M Bennett M H Moore

Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Fungicides, Fungus diseases (plants), Powdery mildew (apples).

18782-68

SOYBEANS AND PEANUTS. SEED AND SEEDLING DISEASES, SEVERAL FUNGI, C W Blackmon

Amer Phytopathol Soc (rep) 23:123-124

1967 464.9 AM31R

Fungi, Nodules (plants), Peanuts, Research, Seed treatment, Soybeans, Tables (data).

19791 69

PENICILLIUM AND BOTRYTIS ROT OF MCINTOSH APPLES IN WATER.

G D Blanpied A Purnasiri

Plunt Dis Rep 52(11):865-867 Nov 1968 1.9 P69P

Apples, Botrytis, Lahoratories, Packing, Penicillium expansum, Storage, Surveys, Water.

18784-68

DRY SUMMERS - BLESSING TO VINE GROWERS.

F W Boehm

Horticultural Abs 38(3):688

Sep 1968 241 1M74

Climate, Climbing plants, Fungus diseases (plants), Water.

18785-68

BACTERIAL CANKER OF CHERRIES.

A Bolay

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Bacterial diseases (plants), Canker (fruit), Cherries.

18786-68

THE FUNGAL FLORA OF FRUIT TREE BUDS.

P Bondoux

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Fruit, Fungus diseases (plants).

18787-68

FUNGUS DISEASES ATTACKING PEARS AND APPLES DURING STORAGE. I. GENERAL ASPECTS.

P Bondouy

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Apples, Fungus diseases (plants), Pears, Storage.

18788-68

EVIDENCE FOR SYSTEMIC PROTECTION AGAINST RHIZOCTONIA SOLANI WITH VITAVAX IN COTTON SEEDLINGS.

D E Borum J B Sinclair

Phytopathology 58(7):976-980

Jul 1968 464.8 P56

Cotton, Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin,2,3-, Fungus diseases (plants), Panogen, Rhizoctonia solani, Seed treatment, Seedlings.

18789-68

PURIFICATION AND ANTIGENICITY OF WHEAT STREAK MOSAIC VIRUS.

M K Brakke E M Ball

Phytopathology 58(7):963-971 REF

Jul 1968 464.8 P56

Agar, Antigens, Centrifugation, Hydrogen-ion concentration, Mosaic (wheat), Streak (wheat), Virus diseases (plants), Wheat.

18790-68

GRAPE, CONCORD. POWDERY MILDEW, UNCINULA NECATOR.

A J Braun J A Keplinger

Amer Phytoputhol Soc (rep) 23:57

1967 464.9 AM31R

Chemical control (plant diseases), Chemicals, Fungicides, Grapes, Leaves, Plant diseases, Spraying, Toxicology, Uncinula necator.

18791-68

GRAPE. POWDERY MILDEW, UNCINULA NECATOR.

A J Braun J A Keplinger

Amer Phytoputhol Soc (rep) 23:57-58

1967 464.9 AM31R

Grapes, Plant injuries, Research, Spraying, Toxicology, Uncinula necator.

18792-68

THE LEEUWENHOEK LECTURE, 1966, OBLIGATE PARASITISM IN FUNGI.

P W Brian

168(1011):101-118 REF

15 Aug 1967

Fungi, Parasitism.

18793-68

CYTOPLASMIC CAROTENES OF RACE 15B AND RACE 56 OF PUCCINIA GRAMINIS F. SP. TRITICI.

L Bush

Phytopathology 57(7):785-788

Jul 1967 464.8 P56

Carotenes, Cytoplasm, Plant biochemistry, Puccinia graminis tritici.

Abstrac

18794-68

APPLE: SCAB AND POWDERY MILDEW, VENTURIA INAEQUALIS AND PODOSPHAERA LEUCOTRICHA.

R J W Byrde C W Harper

Amer Phytopathol Soc (rep) 23:31

1967 464.9 AM31R

Chemical control (plant diseases), Podosphaera leucotricha, Spraying, Trees, Venturia inaequalis.

18795-68

POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.

L C Callbeck

Amer Phytopathol Soc (rep) 23:77

1967 464.9 AM31R

Chemical control (plant diseases), Fungicides, Phytophthora infestans, Potatoes, Research, Spraying, Tables (data), Toxicology.

8796-68

POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.

R C Cetas

Amer Phytopathol Soc (rep) 23:78-79

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Fungicides, Harvesting date, Phytophthora infestans, Potatoes, Research, Spraying, Tables (data).

18797-68

SOYBEAN. SEEDLING DISEASES; SEED AND SOIL BORNE ORGANISMS.

A Y Chambers

Amer Phytopathol Soc (rep) 23:124

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Fungicides, Harvesting date, Histology, Plant injuries, Research, Soybeans, Tables (data), Toxicology.

709 49

PEACH, BROWN ROT AND RHIZOPUS ROT, MONILINIA FRUCTICOLA RHIZOPUS SP.

W A Chandler

Amer Phytopathol Soc (rep) 23:53 1967-464.9 AM31R Captan, Chemical control (plant diseases), Chemicals, Fungicides, Harvesting, Monilinia fructicola,

Peaches, Rhizopus, Sampling (statistics), Sulfur. 18799-68

RESISTANCE TO PSEUDOMONAS CORONAFACIENS IN OATS. (ABSTRACT).

C P Cheng C W Roane Phytopathology 57(7):644

Phytopathology 57(7): Jul 1967 464.8 P56

Bacterial diseases (plants), Halo blight (oats), Oats, Plant disease resistance, Pseudomonas coronafaciens.

18800-68

FACTORS AFFECTING THE COPPER CONTENT OF OATS GROWN IN PEAT.

M V Cheshire P C De Kock R H E Inkson

J Sci Food Agr 18(4):156-160 REF

Apr 1967 382 SO12

Copper, Oats, Peat, Plant nutritional deficiencies.

PEACH. BROWN ROT AND RHIZOPUS ROT; MONILINIA FRUCTICOLA AND RHIZOPUS SP.

C N Clayton

Amer Phytapathol Soc (rep) 23:53-54

1967 464.9 AM31R

Chemical control (plant diseases), Chemicals, Fungicides, Harvesting, Monilinia fructicola, Peaches, Research, Rhizopus.

18802-68

SOME ASPECTS OF CANKER DEVELOPMENT ON APPLE WOOD BY BOTRYOSPHAERIA RIBIS. (ABSTRACT).

S R Connor

Phytapathology 57(7):645

Jul 1967 464.8 P56

Apples, Botryosphaeria ribis, Canker (apples), Fungus diseases (plants), Tree diseases.

PREVENTION OF PERITHECIAL DEVELOP-MENT BY VENTURIA INAEQUALIS BY LATE-SEASON APPLICATIONS OF FUNGICIDES. (ABSTRACTS).

S R Connor J W Heuberger

Phytopathology 58(7):883

Jul 1968 464.8 P56

Dodine, Fungicides, Glyodin, Leaves, Perithecia, Phenylmercuric chloride, Seasons, Spraying, Venturia inaequalis.

18804-68

PRIMARY CANCEROUS TUMOURS SEVERAL VINE VARIETIES.

G Constantinescu

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Bacterial diseases (plants), Climbing plants, Crown galls (plants).

INFLUENCE OF OATS ON SOIL-BORNE POPU-LATIONS OF FUSARIUM ROSEUM F. SP. CEREALIS 'CULMORUM'.

J R Cook

Phytopathalagy 58(7):957-960

Jul 1968 464.8 P56

Cats, Fungus diseases (plants), Fusarium roseum, Parasitic plants, Soil-borne plant diseases, Sporulation, Wheat.

18806-68

APPLE. POWDERY MILDEW, PODOSPHAERA LEUCOTRICIA.

R P Covey Jr

Amer Phytopathol Soc (rep) 23:34

1967 464.9 AM31R

Apples, Chemicals, Crop yields, Harvesting, Podosphaera leucotricia, Spraying, Trees.

NOTCHED LEAF IN GLADIOLUS SPP., CAUSED BY VIRUSES OF THE TOBACCO RATTLE VIRUS GROUP,

M C Cremer P K Schenk

Neth J Plant Pathol 73(2):33-48 REF

1967 464.8 T44

Gladiolus, Virus diseases (plants). English and Dutch summaries.

Abstract

18808-68

INCREASE OF DIAPORTHE PHASEOLORUM VAR. SOJAE ON SOYBEAN PODS DUE TO CORN EARWORM. (ABSTRACTS).

H W Crittenden

Phytopatholagy 58(7):883

Jul 1968 464.8 P56

Diaporthe phaseolorum, Fungus diseases (plants), Heliothis zea, Phytopathology, Seeds, Soybeans.

18809-68

TESTING CHERRY ROOTSTOCKS FOR RE-SISTANCE TO INFECTION BY RASPBERRY RINGSPOT AND CHERRY LEAF ROLL VIRUSES.

R Cropley

Horticultural Abs 38(3):681

Sep 1968 241 1M74

Cherries, Leaf roll (cherries), Plant disease resistance, Research, Ring spot (ruspberries), Roots, Virus diseases (plants).

18810-68

EFFECTS OF CROP ROTATION SEQUENCES ON RHIZOCTONIA HYPOCOTYL ROT OF SNAPBEAN, (ABSTRACT).

D F Crossan W J Manning

Phytopathology 58(7):883

Jul 1968 464.8 P56

Agricultural research, Beans, Crop rotation, Rhizoctonia solani, Root rot (beans). Plants used for plant sequences were corn, barley, oats, beans, rye, peppers, peas, wheat, cabbage, tomatoes.

EFFECT OF NITROGEN AND CHLORIDE NUTRITION ON SUSCEPTIBILITY AND EF-FECT OF FUNGICIDE APPLICATIONS ON CONTROL OF FUSICOCCUM CANKER OF PEACH.

R H Daines

Horticultural Abs 38(3):686-687

Sep 1968 241 1M74

Canker (peaches), Fungicides, Fungus diseases (plants), Fusicoccum, Nitrogen, Peaches, Pesticide application, Plant disease resistance.

FUSIFORM RUST IN SOUTHERN PINE.

T C Davis J Goggans

Highlights 15(3):10 FALL

1968 100 AL1H

Cronartium fusiforme, Fungus diseases (plants), Fusiform rust (pinus), Greenhouse culture, Injections, Seedlings, Tree injuries.

18813-68

SOIL FUMIGANTS TESTED FOR CONTROL OF CROWN GALL.

1 W Deep R A McNeilan I C MacSwan

Horticultural Abs 38(3):684 Sep 1968 241 IM74

Bacterial diseases (plants), Crown galls (plants), Pest control, Soil fumigation.

RICE, BLAST, PIRICULARIA ORZAE.

C J Delp R L Krause A W Engelhard

Amer Phytopathol Soc (rep) 23:100 1967 464.9 AM31R

Culture media, Injections, Piricularia oryzae, Research, Rice, Seedlings, Spraying.

18815-68

APPLE. APPLE SCAB AND POWDERY MIL-DEW; VENTURIA INAEQUALIS DEW: PODOSPHAERA LEUCOTRICIA.

C J Delp

Amer Phytapathal Soc (rep) 23:37

1967 464.9 AM31R

Apples, Azinphosmethyl, Fungicides, Podosphaera leucotricia, Research, Spraying, Trees, Venturia inaequalis.

18816-68

SOUR CHERRY, CHERRY LEAF SPOT, COCCOMYCES HIEMALIS.

C J Delp A W Engelhard

Amer Phytapathol Soc (rep) 23:51

1967 464.9 AM31R

Chemical control (plant diseases), Cherries, Coccomyces hiemalis, Insecticides, Spraying, Tree dis-

18817-68

APPLE. A AEQUALIS. APPLE SCAB, VENTURIA IN-

C J Delp

Amer Phytopathol Soc (rep) 23:35

1967 464.9 AM31R

Apples, Chemicals, Fungicides, Hibernation, Leaves, Spraying, Venturia inacqualis.

LOCAL LESION REACTIONS OF CHENOPODI-SPECIES TO WATEMELON MOSAIC VIRUS 2.

J W Demski

Phytapathalogy 58(8):1196-1197

Aug 1968 464.8 P56

Chenopodium, Mosaie (watermelons), Virus diseases (plants), Watermelons.

18819-68

STUDIES ON SPREAD, POSSIBLE HER-BACEOUS PLANT RESERVOIRS, AND PLANT RESERVOIRS, SEROLOGICAL RELATIONSHIPS OF SOME VIRUS ISOLATES FROM SOUR CHERRY (PRUNUS CERASUS L.).

J W Demski

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Research, Serological tests, Sour cherries, Virus diseases (plants).

18820-68

DIFFERENTIATION IN PHYTOPHTHORA IN-FESTANS. 1. A COMPARATIVE STUDY OF EIGHT DIFFERENT BIOTYPES.

T Denward

Hereditas 58(1-2):191-220 REF

1967 JJ2 8 HJ2

Genes, Phytophthora infestans, Plant disease resistance, Plant genetics, Plant physiology, Potatoes.

A BIOCIDE PRODUCED BY PATHOGENIC ISOLATES OF PSEUDOMONAS SYRINGAE AND ITS POSSIBLE ROLE IN THE BACTERI-AL CANKER DISEASE OF PEACH TREES.

J E DeVay

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Bacterial diseases (plants), Canker (fruit), Peaches, Pseudomonas syringae.

APPLE SCAB, VENTURIA IN-APPLE. AEQUALIS.

C R Drake J J Albert

Amer Phytopathol Soc (rep) 23:39

1967 464.9 AM31R

Apples, Environment, Fungicides, Leaves, Research, Spraying, Venturia inaequalis.

18823-68

SOYBEAN. SEED DECAYS AND SEEDLING DISEASES; SEED AND SOIL BORNE FUNGI.

P D Dukes W H Marchant T J Rateliffe Amer Phytopathol Sac (rep) 23:124-126

1967 464.9 AM31R

Aspergillus flavus, Aspergillus niger, Chemicals, Fungi, Fungicides, Laboratories, Research, Seed treatment, Seedlings, Soils, Soybeans, Tables (data).

18824-68

A CONTRIBUTION TO THE STUDY OF RING-SPOT TYPE VIRUSES OF STONEFRUIT TREES.

J Dunez

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Fruit, Research, Ring spot (fruit), Trees, Virus discases (plants).

18825-68

BIOCHEMICAL FACTORS AFFECTING SPORULATION OF THE BROWN ROT FUNGUS, MONILINIA FRUCTICOLA (WINT.) HONEY.

M M S A El-Zayat

Horticultural Abs 38(3):686

Sep 1968 241 IM74

Biochemistry, Brown rot (fruit), Fungus diseases (plants), Monilinia fructicola, Peaches, Pears.

18826-68

18826-68

TESTING OF FUNGICIDES FOR THE CON-TROL OF DOWNY MILDEW AND SCREENING OF CORN VARIETIES, HYBRIDS, AND IN-BRED LINES FOR DOWNY MILDEW RE-SISTANCE. FINAL TECHNICAL REPORT. SB608.0M20E9.

O R Exconde S A Raymundo F D Fuentes R M Payson A C Mercado

72 P. 1966

Breeding, Chemical control (plant diseases), Corn, Downy mildew (corn), Fungicides, Plant disease resistance, Plant genetics, Reports, Research.

BIOLOGIC SPECIALIZATION IN CALONEC-TRIA (FUSARIUM) RIGIDIUSCULA IN RELA-TION TO GREEN POINT GALL OF COCOA.

E J Ford J A Bourret W C Snyder Phytopathology 57(7):710-712 REF Jul 1967 464.8 P56

Cacao, Calonectria rigidiuscula, Fungus diseases (plants), Green point gall (cacao), Plant galls.

18828-68

EFFECTS OF HIGH TEMPERATURE ON GRAFT TRANSMISSION OF THE PRUNUS RINGSPOT VIRUS.

P R Fridlund

Phytopathology 58(8):1192-1193

Aug 1968 464.8 P56

Plant grafting, Prunus, Ring spot (prunus), Temperature, Virus diseases (plants).

VIRUS GUMMOSIS OF APRICOT CAUSED BY SOME PRUNE DWARF VIRUS STRAINS.

P R Fridlund F O Bottorff Horticultural Abs 38(3):681

Sep 1968 241 IM74

Apricots, Dwarf fruit, Gummosis (apricots), Prunes, Virus diseases (plants).

THE RELATIONSHIP OF INOCULUM-RECEPTOR CONTACT PERIOD TO THE RATE OF GRAFT TRANSMISSION OF TWELVE PRUNUS VIRUSES.

P R Fridlund

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Injections, Prunus, Virus diseases (plants).

SUGAR BEET. LEAF SPOT; CERCOSPORA BETICOLA.

J D Froyd G Johnson G F Stallknecht Amer Phytopathol Soc (rep) 23:103

1967 464.9 AM31R

Cercospora beticola, Chemical control (plant diseases), Fungicides, Injections, Research, Sugar beets, Tables (data), Weather.

BACTERIA ASSOCIATED WITH FROST-DAMAGED APPLE BLOSSOMS.

C M E Garrett

Horticultural Abs 38(3):683

Sep 1968 241 1M74

Apples, Bacteria, Frost, Plant injuries.

EFFECTS OF DIFFERENT ROOTSTOCKS, AND DEGREE OF PSYLLA INFESTATION ON LEAF CURL IN YOUNG PEAR TREES.

W H Griggs

Horticultural Abs 38(3):681

Sep 1968 241 1M74

Pears, Psylla, Roots, Virus diseases (plants).

18834-68

BACTERIAL CANKER OF STONE FRUIT TREES.

L N Grigorcevic

Horticultural Abs 38(3):683-684

Sep 1968 241 IM74

Bacterial diseases (plants), Canker (fruit), Erwinia amylovora, Fruit, Trees.

DETECTING THE INFECTION OF PEACH TREE BRANCHES BY FUNGI OF THE GENUS CYTOSPORA.

C Grosclaude

Horticultural Abs 38(3):686

Sep 1968 241 1M74

Cytospora, Diagnosis, Fungus diseases (plants), Peaches.

THE AUTOCIDAL METHOD, ONE ASPECT OF BIOLOGICAL PLANT PROTECTION. (GE)

V A Haisch

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(5):257-272 REF

May 1968 464.8 Z3

Biological control (insects), Chemosterilants, Cochliomyia, Genetics, Insects, Radiation. English summary

18837-68

EFFECT OF ALUMINUM STRIPS ON THE SPREAD OF TWO APHID-BORNE APHID-BORNE CHRYSANTHEMUM VIRUSES.

F A Hakkaart

Neth J Plant Pathol 73(5/6):181-185

1967 464.8 T44

Aluminum foil, Aphididae, Chrysanthemum, Plant disease transmission. Virus b (chrysanthemum), Virus diseases (plants). English and Dutch summaries

Abstract

18838-68

SEED TRANSMISSION OF VIRUSES IN RED CLOVER: EVIDENCE AND METHODOLOGY OF DETECTION.

R O Hampton E W Hanson

Phytopathology 58(7):914-920 REF

Jul 1968 464.8 P56

Broadbeans, Diagnosis, Methodology, Red clover, Seedlings, Virus diseases (plants).

SYSTEMIC-CHEMICAL PAINTS FOR THE CONTROL OF CYTOSPORA CANKER DISEASE IN PRUNE TREES.

A W Helton W J Kochan Horticultural Abs 38(3):686

Sep 1968 241 IM74

Canker (plums), Chemicals, Cytospora, Fungus diseases (plants), Pest control, Prunes.

RHIZOPUS ROT OF PEACHES.

A J Heyns L Ginsburg Horticultural Abs 38(3):687

Sep 1968 241 IM74

Fungus diseases (plants), Peaches, Rhizopus, Rot (peaches).

18841-68

BROWN ROT OF PEACHES. A J Heyns

Horticaltural Abs 38(3):686 Sep 1968 241 IM74

Brown rot (peaches), Fungus diseases (plants), Peaches.

PODOSPHAERA LEUCOTRICHA, AND VENTURIA INAEQUALIS.

K D Hickey

Amer Phytopathol Soc (rep) 23:41

1967 464.9 AM31R

Apples, Chemicals, Environment, Fungicides, Hibernation, Podosphaera leucotricha, Spraying, Venturia inaequalis.

METHODS OF MEASURING PREVALENCE OF PATHOGENIC FUNGI ON POTATO TUBERS.

G A Hide J M Hirst G A Salt

Ann Appl Biol 62(2):309-318

Oct 1968 442.8 AN72

Fungus diseases (plants), Measurement, Potatoes.

PHENOLASE ACTIVITY IN TOMATO FRUIT IN RELATION TO GROWTH AND TO VARIOUS RIPENING DISORDERS.

G E Hobson

J Sci Food Agr 18(11):523-526 REF

Nov 1967 382 SO12

Blossom end rot (tomatoes), Phenolases, Plant extracts, Plant physiology, Tomatoes.

LOSSES FROM FUSARIUM STEM ROT CAUSED BY FUSARIUM ROSEUM, IN COM-MERCIAL PRODUCTION OF CUTTINGS OF CARNATION, DIANTHUS CARYOPHYLLUS.

R K Horst P E Nelson

Plant Dis Rep 52(11):840-843

Nov 1968 1.9 P69P

Chemical control (plant diseases), Dianthus caryophyllus, Fungus diseases (plants), Fusarium roseum, Plant cuttings, Plant injuries, Research.

18846-68

EFFECT OF TEMPERATURE, CROP, AND DEPTH OF BURIAL ON THE SURVIVAL OF TYPHULA IDAHOENSIS SCLEROTIA.

D M Huher H C McKay

Phytopathology 58(7):961-962

Jul 1968 464.8 P56

Alfalfa, Barley, Clover, Greenhouses, Mortality, Peas, Planting, Soil temperature, Typhula idahoensis, Wheat.

18847-68

FORMATION OF CALLUS TISSUE IN SWEET-POTATOE STEMS IN RESPONSE TO INFEC-TION BY AN INCOMPATIBLE STRAIN OF CERATOCYSTIS FIMBRIATA.

H Hyodo I Uritani S Akai

Phytopathology 58(7):1032-1033

Jul 1968 464.8 P56

Black rot (sweetpotatoes), Callus (plants), Ceratocystis fimbriata, Fungus diseases (plants), Infectious diseases, Injections, Plant metabolism, Sweetpotatoes.

18848-68

BLACK SPOT OF APPLE.

P T Jenkins

Horticultural Abs 38(3):686

Sep 1968 241 1M74

Apples, Black spot (apples), Fungus diseases (plants).

ORCHARD SANITATION AND BROWN ROT CONTROL.

P F Kahle

Horticultural Abs 38(3):686

Sep 1968 241 1M74

Brown rot (fruit), Fruit, Fungus diseases (plants), Sanitation control (pests).

18850-68

CANTALOUPE, LEAF BLIGHT, ALTERNARIA CUCUMERINA.

J G Kantzes

Amer Phytopathol Soc (rep) 23:69

1967 464 9 AM31R

Alternaria cucumerina, Cantaloupes, Crop losses, Defoliation, Fungicides, Maneb, Research, Spraying.

18851-68

TOBACCO (CIGAR-WRAPPER). BLACK SHANK; PHYTOPIITHORA PARASITICA VAR. NICOTIANAE.

R R Kincaid

Amer Phytopathol Soc (rep) 23:104-105

1967 464.9 AM31R

Chemical control (plant diseases), Chemicals, Phytophthora parasitica, Research, Soil structure, fables (data), Tohacco, Transplanting, Water.

HOST-PARASITE RELATIONSHIP IN SAF-FLOWER RESISTANT AND SUSCEPTIBLE TO PHYTOPHTHORA ROOT ROT.

J M Klisiewics L B Johnson

Phytopathology 58(7):1022-1025

Jul 1968 464.8 P56

Fungus diseases (plants), Hypocotyls, Necrosis, Parasitism, Phytophthora drechsleri, Plant disease resistance, Safflower, Seed germination.

18853-68

SOUR CHERRIES, LEAF SPOT AND POW-DERY MILDEW, COCCOMYCES HIEMALIS, PODOSPHAERA OXYACANTHAE.

E J Klos J Robb R Miller

Amer Phytopathol Soc (rep) 23:52

1967 464.9 AM31R

Chemical control (plant diseases), Cherries, Coccomyces hiemalis, Difolatan, Dodine, Podosphaera oxyacanthae, Tree diseases.

18854-68

GRAPE. BLACK ROT AND POWDERY MILDEW; GUIGNARDIA BIDWELLII, AND UNCINULA NECATOR.

E J Klos J Robb R Miller

Amer Phytopathol Soc (rep) 23:58

1967 464.9 AM31R

Difolatan, Folpet, Fungicides, Grapes, Guignardia bidwellii, Plant discases, Research, Uncinula necator.

18855-68

SOME PHYSIOLOGICAL PROPERTIES OF PSEUDOMONAS SYRINGAE VAN HALL TESTED ON VARIOUS ISOLATIONS. (GE)

D Knosel E Lange

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(8):468-472 REF

Aug 1968 464.8 Z3

Enzymes, Fruit, Physiology, Plant diseases, Pseudomonas syringae, Research. English summary.

18856-68

CHANGES IN THE HETEROLOGOUS REACTIONS OF ANTISERA AGAINST MEMBERS OF THE POTATO VIRUS X GROUP DURING THE IMMUNE RESPONSE. (GE)

R Koenig R Bercks

Phytopathol Z 61(4):382-398 REF

Apr 1968 464.8 P562

Blood tests, Immunity, Immunization, Mosaic (white clover), Rabbits, Scrological tests, Virus diseases (animals), Virus x (cactaceae), Virus x (potatoes), Yellow mosaic (clover). Lish summary

18857-68

THE SIGNIFICANCE OF SPINACH AS A HOST PLANT OF THE RAPE-NEMATODE HETERODERA SCHACHTII SCHM. (GE)

V H Kohler

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(5):288-290

May 1968 464.8 Z3

Heterodera schachtii, Insects, Larvae, Roots, Spinach. English summary

18858-68

AGENT FOR THE COMBATMENT OF MOULDS. PATENT 3,376,190.

H Koopman A Tempel

Us Patent Office Offic Gaz 849(1):177

02 Apr 1968 156.65 OF2

Fungicides, Patents, Tetrabromo compounds.

18859-68

OBSERVATIONS ON THE FORMATION AND DISPERSAL OF CONIDIA OF MYCOSPHAERELLA MUSICOLA LEACH. (GE

V J Kranz

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):327-338 REF

Jun 1968 464.8 Z3

Fungus diseases (plants), Humidity, Mycosphaerella musicola, Seed dissemination, Temperature. English summary

18860-68

THE EFFECT OF DITHIOCARBAMATE-CONTAINING FUNGICIDES (ZINEB AND MANEB) ON THE MITOCHONDRIAL ACTIVITY IN PLUM LEAVES.

K Kristeu M Kristeva

Horticultural Abs 38(3):695

Sep 1968 241 IM74

Dithiocarhamates, Fungicides, Fungus diseases (plants), Plums.

18861-68

INFLUENCE OF DEVELOPMENTAL STAGE OF RICE PLANT ON SUSCEPTIBILITY TO HOJA BLANCA VIRUS.

H A Lamey T R Everett C D Brister

Phytopathology 58(8):1168-1170

Aug 1968 464.8 P56

Hoja blanca (rice), Morphology, Plant disease resistance, Rice, Virus diseases (plants).

18862-68

SOME PROPERTIES OF CHRYSANTHEMUM STUNT VIRUS, (ABSTRACT).

R H Lawson

Phytopathology 58(7):885

Jul 1968 464.8 P56

Chrysanthemum, Infectious diseases, Leaves, Pyrethrum, Research, Sap, Starches, Stunt (chrysanthemum), Viruses.

18863-68

SOME VIEWPOINTS ON THE PHYLOGENY OF RUST FUNGI. IV. BIOGENIC RADIATION.

E E Leppik

Mycologia 59(4):568-579 MAP REF

Jul 1967 450 M99

Biogenesis, Irradiation, Parasitic plants, Uredinales.

18864-68

APPLE. SCAB, MILDEW, MITES; VENTURIA INAEQUALIS, PODOSPHAERA LEU-COTRICHA, PANONYCHUS ULMI, AND TETRANYCHUS TELARIUS.

F H Lewis

Amer Phytopathol Soc (rep) 23:44

1967 464.9 AM3IR

Apples, Chemical control (plant diseases), Defoliation, Fungicides, Insecticides, Panonychus ulmi, Podosphacra leucotricha, Research, Tetranychus telarius, Trees, Venturia inaequalis.

18865-6

BEAN (SNAP). ROOT ROT, RHIZOCTONIA SOLANI.

G D Lewis

Amer Phytopathol Soc (rep) 23:66

1967 464.9 AM31R

Beans, Fungicides, Research, Rhizoctonia solani, Seed treatment.

18866-68

ASPARAGUS. ROOT ROT, FUSARIUM OXYSPORUM F. ASPARAGI.

G D Lewis R Salch

Amer Phytopathol Soc (rep) 23:63

1967 464.9 AM31R

Asparagus, Fungicides, Fusarium oxysporum, Plant diseases, Research, Spraying.

18867-68

EFFECT OF ARTIFICIALLY OR NATURALLY INTRODUCED UREDOSPORES ON STEM RUST DEVELOPMENT IN PREVIOUSLY INFECTED FIELDS OF WHEAT. (ABSTRACT).

R F Line C E Peet

Phytopathology 58(7):885

Jul 1968 464.8 P56

Fungus diseases (plants), Infectious diseases, Injections, Puccinia graminis tritici, Stem rust (wheat), Uredospores, Wheat.

18868-68

STRAWBERRY. VERTICILLIUM WILT, VERTICILLIUM DAHLIAE.

C L Lockhart A A MacNah Amer Phytopathol Soc (rep) 23:60 1967 464.9 AM31R

Crop yields, Plant diseases, Research, Strawherries, Verticillium dahliae.

18869-68

XYLEM ABERRATION, A TRANSMISSIBLE DISEASE OF STONE FRUITS.

T B Lott

Can Plant Dis Surv 47(3):74-75 REF

Sep 1967 464.9 C16S

Fruit, Plant ahnormalities, Plant disease transmission, Prunus virginiana, Virus diseases (plants), Xylem.

18870-68

XYLEM ABERRATION, A TRANSMISSIBLE DISEASE OF STONE FRUITS.

T B Lott

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Fruit, Infectious diseases, Virus diseases (plants), Xylem.

18871-68

TOBACCO MOSAIC VIRUS-INDUCED RE-SISTANCE TO PSEUDOMONAS TABACI IN TOBACCO.

L Lovrekovich H Lovrekovich M A Stahmann Phytopathology 58(7):1034-1035 REF

Jul 1968 464.8 P56

Bacterial diseases (plants), Buffer substances, Mosaic (tobacco), Plant disease resistance, Pseudomonas tahaci, Research, Tobacco, Virus diseases (plants).

18872-68

PEACH. RHIZOPUS ROT, RHIZOPUS STOLONIFER.

N S Luepschen

Amer Phytopathol Soc (rep) 23:55

1967 464.9 AM31R

Fungicides, Harvesting, Peaches, Research, Rhizopus stolonifer.

8873-68

CELLULOSE DEGRADATION BY CELLULASE OF SCLEROTINIA SCLEROTIORUM PRODUCED IN CULTURE. (ABSTRACT).

R D Lumsden

Phytopathology 58(7):885-886

Jul 1968 464.8 P56

Beans, Carboxymethyl cellulose, Cellulase, Culture media, Enzymes, Fungus diseases (plants), Glucose, Hydrogen-ion concentration, Selerotinia selerotiorum.

18874-68

NOTES ON SCOTTISH FUNGI.

Q D MacGarvie

Plant Pathol 17(3):113

Sep 1968 464.8 P692 Chrysanthemum, Festuca, Fungi, Grain, Grasses,

Taxonomy.

18875-68 PERSISTENCE OF THE ACARICIDE BINAPACRYL. (GE)

V H Maier-bode

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):321-327 REF

Jun 1968 464.8 Z3

Apples, Binapacryl, Metabolites, Plant injuries, Rats. English summary

18876-68

A NEW CONTRIBUTION TO THE USE OF WETTABLE SULPHUR AGAINST POWDERY MILDEW OF VINE: EXPERIMENTAL RESULTS.

P Malbrunot

Horticultural Abs 38(3):689

Sep 1968 241 1M74

Fungicides, Fungus diseases (plants), Grapes, Powdery mildew (grapes).

18877-68

IMMUNOFLUORESCENT STAINING AS A MEANS OF IDENTIFYING MYCELIUM OF

18878-68

RHIZOCTONIA SOLANI ON SLIDES USED IN SOIL ECOLOGICAL STUDIES. (ABSTRACT).

W J Manning D F Crossan Phytopathology 58(7):886

Jul 1968 464.8 P56 Beans, Ecology, Fluorescence, Fungus diseases (plants), Immunity, Mycelium, Oats, Rhizoctonia solani, Soils.

BEAN (SNAP, TENDERCROP). HYPOCOTYL ROT; RHIZOCTONIA SOLANI.

W J Manning D F Crossan D J Morton Amer Phytopathol Soc (rep) 23:66

h555555464.9 AM31R

Beans, Chemicals, Fungicides, Research, Rhizoctonia solani, Seed treatment.

POTATO, SCAB, STREPTOMYCES SCABIES.

F E Manzer D Merriam

Amer Phytopathol Soc (rep) 23:81-82

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Fertilization (plants), Potatoes, Research, Seeds, Soil structure, Streptomyces scabies, Tables (data).

POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.

F E Manzer D Merriam

Amer Phytopathol Soc (rep) 23:80-81

1967 464.9 AM31R

Chemical control (plant diseases), Chemicals, Crop yields, Defoliation, Fungicides, Phytophthora infestans, Potatoes, Tables (data).

LETTUCE. **SCLEROTINIA** SCLEROTINIA SCLEROTIORUM.

R K McKittrick

Amer Phytopathol Soc (rep) 23:75

1967 464.9 AM31R

Chemical control (plant diseases), Fertilizers, Injections, Lettuce, Plant diseases, Sclerotinia sclerotiorum, Soil fumigation, Tables (data).

DETECTION OF FREE VIRAL NUCLEIC ACID IN THE POTATO VIRUS X INFECTED TOBAC-CO, BY GEL ELECTROPHORESIS.

K A Miczynski

Phytopathol Z 61(4):309-330 REF

Apr 1968 464.8 P562

Bentonite, Electrophoresis, Leaves, Plant extracts, Proteins, Ribonucleic acid, Tobacco, Virus diseases (plants), Virus x (potatoes). Summary in

18883-68

RELATIVE SUSCEPTIBILITY OF BLUEBERRY CULTIVARS TO PHYTOPHTHORA CIN-NAMONI.

R D Milholland G J Galletta

Horticultural Abs 38(3):687

Sep 1968 241 IM74

Blueberries, Fungus diseases (plants). Phytophthora cinnamoni, Plant disease resistance.

ON THE PARASITISM BY FUNGI OF THE GENUS CYTOSPORA ON APPLES.

11 Minkevic

Horticultural Abs 38(3):685 Sep 1968 241 IM74

Apples, Cytospora, Fungus diseases (plants), Parasitism.

18885-68

OCCURRENCE AND PATHOGENICITY OF PYTHIUM IN PEACH ORCHARD SOILS. (AB-STRACT).

S M Mircetich H W Foele

Phytopathology 58(7):886

Jul 1968 464.8 P56

Fungus diseases (plants), Orchards, Peaches, Phytopathology, Pythium, Soil fungi.

18886-68

WHEAT, STEM RUSTS, PUCCINIA SPP.

H A Mohamed M A Arafa

Amer Phytopathol Soc (rep) 23:106

1967 464.9 AM31R

Chemicals, Fungicides, Fungus diseases (plants), Injections, Puccinia, Research, Tables (data), Wheat.

A FIELD COMPARISON OF FUNGICIDES AS MEDIUM VOLUME SPRAYS ON APPLES.

M H Moore M Bennett

Horticultural Abs 38(3):694-695

Sep 1968 241 IM74

Apples, Fungicides, Fungus diseases (plants), Plant protection, Spraying.

18888-68

PEPPER. BACTERIAL SPOT, XANTHOMONAS VESICATORIA.

D J Morton D J Fieldhouse S H Kim Amer Phytopathol Soc (rep) 23:77

1967 464.9 AM31R

Harvesting date, Pepper (spice), Plant diseases, Spraying, Weather, Xanthomonas Saccharin vesicatoria.

18889-68

EFFECTS OF ULTRAVIOLET RADIATION ON ESTABLISHMENT OF ERYSIPHE GRAMINIS F. SP. TRITICI ON WHEAT.

M S Mount A H Ellingboe

Phytopathology 58(8):1171-1175

Aug 1968 464.8 P56

Erysiphe graminis, Fungus diseases (plants), Irradiation, Ultraviolet rays, Wheat.

ROT,

A ROT OF THE PRIMARY ROOT OF THE APPLE SEEDLING.

D Mulder

Horticultural Abs 38(3):685

Sep 1968 241 1M74

Apples, Fungus diseases (plants), Roots, Rot (apples).

18891-68

FUNGICIDES TO CONTROL CERCOSPORA DISEASE OF VINES.

O B Musinova A K Aleksan'jan

Horticultural Abs 38(3):688

Sep 1968 241 IM74

Cercospora, Climbing plants, Fungicides, Fungus diseases (plants), Pest control.

RELATION OF NITROGEN FERTILIZERS AND MANURE TO VASCULAR WILT OF EGYPTIAN COTTON CAUSED BY FOUR FUSARIA SPE-CIES AND STRAINS.

M S Naim A S Shaaban

Mycopathol Mycol Appl 31(3-4):257-266, REF 28 Apr 1967 450 M994

Cotton, Fertilizers, Fusarium, Nitrogen, Wilt (cot-

18893-68

A CELLOPHANE TRANSFER BIOASSAY FOR DETERMINING PERSISTENCE OF FUNGI-CIDES. (ABSTRACT).

D Neely

Phytopathology 58(8):1061

Aug 1968 464.8 P56

Biological assay, Fungicides, Fungus diseases (plants), Monilinia fructicola, Pesticide residues.

RACES OF ERYSIPHE GRAMINIS DC. F. SP. HORDEI MARCHAL IN EUROPE. (GE.)

I Nover F Bruckner A Wiberg M S Wolfe Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz

75(6):350-353 REI Jun 1968 464,8 Z3

Erysiphe graminis, Taxonomy. English summary

18895-68

KINSEALY RESEARCHERS OVERCOME BLACK CURRANT LEAF SPOT HAZARD.

F O'Riordain

Horticultural Abs 38(3):687

Sep 1968 241 IM74

Currants, Fungus diseases (plants), Leaf spot (currants), Research.

RELATIONSHIPS TANNINS. POLYPHENOLICS, AND REDUCING SUGARS, TO VERTICILLIUM WILT RESISTANCE OF STRAWBERRY CULTIVARS.

K A Okasha K Ryugo R S Bringhurst Phytopathology 58(8):1118-1122 REF

Aug 1968 464.8 P56

Fungus diseases (plants), Phenols, Strawberries, Sugars, Tannins, Verticillium albo-atrum.

18897-68

INHIBITION OF GROWTH OF VERTICILLIUM ALBO-ATRUM SPORELINGS BY TANNINS AND POLYPHENOLS FROM INFECTED CROWNS OF VERTICILLIUM-RESISTANT AND -SUSCEPTIBLE STRAWBERRY CUL-TIVARS.

K A Okasha K Ryugo S Wilhelm R S Bringhurst Phytopathology 58(8):1114-1117 REF

Aug 1968 464.8 P56

Phenols, Plant disease resistance, Plant extracts, Plant physiology, Strawberries, Tannins, Verticillium albo-atrum.

18898-68

ON THE OCCURRENCE OF GLOEOSPORIUM ON APPLE LEAVES.

K Olsson

Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Fungus diseases (plants), Gloeosporium.

18899-68

TRIALS ON HOT-WATER TREATMENT AGAINST GLOEOSPORIUM ON APPLES ONCE AGAIN.

K Olsson

Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Fungus diseases (plants), Gloesporium, Temperature, Water.

18900-68

SURVIVAL OF TOBACCO MOSAIC VIRUS IN SPACE.

G B Orlob P R Lorenz

Phytopathology 58(7):955-956

Jul 1968 464.8 P56

Infectious diseases, Mortality, Mosaic (tobacco), Solar radiation, Space biology, Tobacco, Viruses.

18901-68

RESEARCH ON A NEW ISOMETRIC VIRUS OF ATROPA BELLADONNA L. I. SYMPTO-MATOLOGY, PURIFICATION, MORPHOLO-GY, PHYSICAL AND CHEMICAL CHARAC-TERISTICS, (GE.)

H L Paul O Bode M Jankulowa J Brandes

Phytopathol Z 61(4):342-361 REF

Apr 1968 464 8 P562

Atropa belladonna, Chenopodium quinoa, Culture media, Electron microscopy, Insect vectors, Morphology, Myzus persicae, Physiology, Research, Serological tests, Temperature, Virus diseases (plants). English summary

18902-68

HOST RANGE, CHARACTERISTICS, AND PU-RIFICATION OF PLUM LINE PATTERN VIRUS.

A Q Paulsen

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Line pattern (plums), Plums, Properties, Virus diseases (plants).

VIRUS DISEASES ON POME AND STONE FRUIT TREES AND THE NECESSITY FOR THEIR CONTROL.

A Pena Iglesias

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Fruit, Plant protection, Trees, Virus diseases (plants).

RUST FUNGI ON ARAUCARIACEAE.

R S Peterson

Mycopathol Mycol Appl 34(1):17-26 REF

19 Jan 1968 450 M994

Fungus diseases (plants), Plant taxonomy, Rust (Araucariaceae), Tree diseases, Uredinales.

18905-68

LEPTOSPHAERULINA-CERCOSPORA COM-PLEX ON PEANUTS IN TEXAS. (ABSTRACT).

R E Pettit R A Taber A L Harrison

Phytopathology 58(8):1063

Aug 1968 464.8 P56

Cercospora, Fungus diseases (plants), Leptosphaerulina, Peanuts.

CHENOPODIUM QUINOA, A HERBACEOUS TEST PLANT FOR CHLOROTIC LEAF SPOT VIRUS IN APPLE.

H J Pfaeltzer

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Chenopodium quinoa, Chlorotic leafspot (apples), Research, Virus diseases (plants).

18907-68

CLUES TO FUMIGATION FOR OAK ROOT FUNGUS.

G Post

Horticultural Abs 38(3):684

Sep 1968 241 IM74

Fungus diseases (plants), Quercus, Roots, Soil fumigation.

18908-68

SUGAR BEET. LEAF SPOT, CEROSPORA BETICOLA.

H S Potter T L Bates

Amer Phytapathol Soc (rep) 23:102

1967 464.9 AM31R

Aerial spraying, Cercospora beticola, Chemicals, Fungicides, Meteorology, Research, Sugar beets, Tables (data).

PEACH. BACTERIAL SPOT, XANTHOMONAS PRUNI.

D Powell

Amer Phytopathol Sac (rep) 23:55-56

1967 464.9 AM31R

Chemical control (plant diseases), Peaches, Research, Spraying, Trees, Weather, Xanthomonas pruni.

DISTANCE OF NEEDLE INFECTION FROM STEM AFFECTS LIKELIHOOD OF GALL DEVELOPMENT ON SLASH PINE BY SLASH PINE BY CRONARTIUM FUSIFORME.

H R Powers

Phytopathalogy 58(8):1147-1149

Aug 1968 464.8 P56

Cronartium fusiforme, Fungus diseases (plants), Pinus elliotti, Plant galls.

GENETIC EFFECTS OF FERBAM ON ASPER-GILLUS NIGER AND ALLIUM CEPA.

1 Prasad D Pramer

Phytopathalogy 58(8):1188-1189

Aug 1968 464.8 P56

Aspergillus niger, Ferbam, Fungus diseases (plants), Genetics, Onions.

18912-68

INFECTIVITY, RIBONUCLEASE ACTIVITY, AND OTHER PHYSIOLOGICAL RELATION-SHIPS OF BARLEY STRIPE MOSAIC VIRUS-INFECTED BARLEY LEAVES. (ABSTRACT).

D R Pring R G Timian

Phytopathology 58(8):1063

Aug 1968 464.8 P56

Barley, Enzymes, Plant physiology, Ribonuclease, Stripe mosaic (barley), Virus diseases (plants).

AGGREGATED FILAMENTS IN EXTRACTS FROM LUPINUS INFECTED WITH WATER-MELON MOSAIC VIRUS.

D E Purcifull J R Ednardson S R Christie

Virolagy 35(3):478-482

Jul 1968 448.8 V81

Cytology, Electron microscopy, Lupinus angustifolius, Morphology, Mosaic (watermelons), Muskmelons, Plant disease transmission, Plant extracts, Pumpkins, Research, Virus diseases (plants).

18914-68

ANTIGENIC STUDY OF THE PROTEIN FROM A DEFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS.

I Rappaport M Zaitlin

Science 157(3785):207-208

14 Jul 1967 470 SC12

Antigens, Electrophoresis, Mosaic (tobacco), Proteins, Temperature, Tobacco, Virus diseases (plants).

Abstract

18915-68

PESTS AND DISEASES OF VEGETABLES AND THEIR CONTROL. SB951.0R42.

D B Reddy

75 P., NEW DELHI, MINISTRY OF FOOD AND AGRICULTURE

1965

Chemical control (plant diseases), Pesticides, Plant diseases, Research, Spraying equipment, Vegetables

18916-68

PROTEASE ACTIVITY OF XANTHOMONAS ALFALFAE IN VITRO AND DURING PATHOGENESIS OF BACTERIAL LEAF SPOT OF ALFALFA. (ABSTRACT).

M N Reddy D L Stuteville E L Sorensen

Phytopatholagy 58(8):1064

Aug 1968 464.8 P56

Bacterial diseases (plants), Culture media, Leaf spot (alfalfa), Plant physiology, Xanthomonas alfalfae.

18917-68

INVESTIGATIONS ON THE INFLUENCE OF CROP ROTATION ON THE POPULATION DENSITY OF FREE-LIVING NEMATODES IN CONNECTION WITH THE CORKY RINGSPOT DISEASE OF POTATOES. I. POPULATION DENSITY OF THE NEMATODES. (GE)

V F. Richter

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschatz 75(1):9-23 REF

Jan 1968 464.8 Z3

Corky ringspot (potatoes), Crop rotation, Plant nematodes, Potatoes, Tobacco, Virus diseases (plants). English summary

18918-68

A TECHNIQUE FOR INOCULATING TOMATO FRUITS WITH THE ANTHA PATHOGEN, COLLETOTRICHUM ANTHACNOSE CODES. (ABSTRACT).

M L Robbins F F Angell

Phytopathology 58(7):887

Jul 1968 464.8 P56

Anthracnose (tomatoes), Colletotrichum coccodes, Injections, Virus diseases (plants).

18919-68

AN EVALUATION OF THREE METHODS FOR MEASURING LEAF WATER POTENTIAL IN DUTCH ELM-DISEASED SEEDLINGS. (AB-STRACT).

B R Roberts

Phytopathalogy 58(8):1064-1065

Aug 1968 464.8 P56

Dieback (ulmus), Leaves, Measurement, Plant diseases. Plant water relations, Seedlings, Ulmus americana.

18920-68

CONTROL OF FUSICOCCUM AMYGDALI.

P Rosati C Fideghelli V Colantonio

Horticultural Abs 38(3):687

Sep 1968 241 IM74

Fungus diseases (plants), Fusicoccum amygdali, Peaches, Pest control.

18921-68

CITRUS FRUIT DECAY IN SOUTH AFRICA CAUSED BY PENICILLIUM DIGITATUM SACC.

G Roth

Phytopathol Z 58(4):383-396 REF

Apr 1967 464.8 P562

Citrus, Fungus diseases (plants), Insect pests, Penicillium digitatum. German summary

18922-68

WHEAT (SPRING MARQUIS). LEAF AND STEM RUST; PUCCINIA RECONDITA AND PUCCINIA GRAMINIS TEXTICI,

J B Rowell

Amer Phytapathol Soc (rep) 23:107-108

1967 464.9 AM31R

Chemical control (plant diseases), Crop losses, Morphology, Puccinia graminis tritici, Puccinia recondita, Spraying, Tables (data), Weather, Wheat.

WILD RUBUS SPP. AS NATURAL HOSTS OF TOBACCO RINGSPOT VIRUS. (ABSTRACT).

M C Rush G V Jr. Gooding D E Ellis Phytopathalogy 58(8):1065

Aug 1968 464.8 P56

Blackberries, Host indexing (plants), Ring spot (tobacco), Virus diseases (plants).

18924-68

SYMPTOMATOLOGICAL EPIDEMIOLOGICAL STUDIES OF ALTERNARIA LEAF SPOT OF BEAN. (ABSTRACT).

S Saad D J Hagedorn

Phytapathalogy 58(8):1065

Aug 1968 464.8 P56 Alternaria tenuis, Beans, Epidemiology, Fungus diseases (plants), Leaf spot (beans), Research.

18925-68

BEANS (DRY FIELD). ROOT ROT, FUSARIUM SOLANI F. PHASEOLI.

A W Saettler H S Potter

Amer Phytopathol Soc (rep) 23:66-67

1967 464.9 AM31R

Beans, Chemicals, Crop yields, Fungicides, Fusari-um solani, Harvesting, Pentachloronitrobenzene, Research.

18926-68

PROTECTION AGAINST MEMBRANE EFFECTS OF HELMINTHOSPORIUM VICTORIAE TOXIN BY CHEMICAL TREAT-MENTS. (ABSTRACT).

K R Samaddar

Phytopathology 58(8):1065-1066

Aug 1968 464.8 P56

Cells, Chemicals, Fungus diseases (plants), Helminthosporium victoriae, Plant injuries, Therapeutics, Toxins.

18927-68

POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.

S D Sanchez M C Hinojosa

Amer Phytopathol Soc (rep) 23:82-83

18928-68

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Fungicides, Insecticides, Phytophthora infestans, Potatoes, Research, Spraying, Weather.

CHARACTERISTICS OF TOBACCO RATTLE VIRUS, I, EVIDENCE THAT IT'S TWO PARTI-CLES ARE FUNCTIONALLY DEFECTIVE AND MUTUALLY COMPLEMENTING.

H L Sanger

Z Vererbungslehre 101(4):346-367 REF

1968 442 8 734

Genes, Injections, Protein fibers, Rattle disease (tobacco), Virus diseases (plants).

FRUIT TREES REPLANT DISEASE.

B M Savory

Horticultural Abs 38(3):678

Sep 1968 241 IM74

Crop rotation, Fruit, Plant diseases, Planting, Soil fumigation, Trees.

CO2 ABSORPTION IN FOUR WHEAT VARIETIES AND DIFFERENTIAL RESPONSES TO IN-FECTION BY SEPTORIA NODORUM. (AB-STRACT).

A.L. Scharen

Phytopathology 58(7):887

Jul 1968 464.8 P56

Absorption (biological), Carbon dioxide, Injections, Photosynthesis, Phytopathology, Septoria nodorum, Whéat.

MECHANISM OF STARCH HYDROLYSIS IN BEAN LEAVES DURING INFECTION BY BEAN RUST FUNGUS. (ABSTRACT).

A L Jr. Schipper C J Mirocha Phytopathology 58(8):1066

Aug 1968 464.8 P56

Beans, Fungus diseases (plants), Hydrolysis, Leaves, Rust (beans), Starches.

THE USE OF INTERSTOCKS, A PREVENTIVE MEASURE AGAINST COLLAR ROT IN AP-PLES.

A Schmidle

Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Collar rot (apples), Fungus diseases (plants).

18933-68

ANATOMY OF GREENING-DISEASED SWEET ORANGE SHOOTS.

H Schneider

Phytopathology 58(8):1155-1160 REF

Aug 1968 464.8 P56

Anatomy, Oranges, Trioza erytreae, Virus diseases (plants).

18934-68

POTATO. VERTICILLIUM WILT, VERTICIL-LIUM ALBO-ATRUM AND VERTICILLIUM DAHLIAE.

O E Schultz

Amer Phytopathol Soc (rep) 23:83-84

1967 464.9 AM31R

Chemicals, Defoliation, Fungi, Harvesting, Nematodes, Potatoes, Research, Sandy soils, Tables (data), Verticillium albo-atrum, Verticillium dahliae.

POTATO. VERTICILLIUM WILT, VERTICIL-LIUM ALBO-ATRUM AND VERTICILLIUM DAHLIAE.

O E Schultz

Amer Phytopathol Soc (rep) 23:131

1967 464.9 AM31R

Chemical control (plant diseases), Crop yields, Fumigation, Insect control, Nematodes, Potatoes, Soils, Verticillium alho-atrum. Verticillium dahliae.

18936-68

TEMPERATURE RESPONSE OF SEEDS DUR-ING THE EARLY PHASES OF GERMINATION AND ITS RELATION TO INJURY BY RHIZOC-TONIA SOLANI. (ABSTRACT).

F A Schulz D F Bateman

Phytopathology 58(8):1067

Aug 1968 464.8 P56

Fungus diseases (plants), Plant injuries, Plant physiology, Rhizoctonia solani, Seed germination, Seeds, Temperature.

DIFFERING EFFICIENCES OF POTASSIUM UTILIZATION IN STRAINS OF SNAPBEANS, PHASEOLUS VULGARIS L.

P F Shea G C Gerloff W H Gabelman

Plant Soil 28(2):337-346 REF

Apr 1968 450 P696

Chemurgy, Culture media, Kidney beans, Nutrient solutions (plants), Physiology, Plant diseases, Potassium, Research.

DNA IN CAULIFLOWER MOSAIC VIRUS.

R J Shepherd R J Wakeman R R Romanko Virology 36(1):150-152

Sep 1968 448.8 V81

Biochemistry, Brassica perviridis, Centrifugation, Deoxyribonucleic acid, Mosaic (cauliflower), Research, Spectrometry, Virus diseases (plants).

MAPPING COLUMNS OF DISCOLORED AND DECAYED WOOD IN SUGAR MAPLE. (AB-STRACT).

A L Shigo E M Sharon

Phytopathology 58(8):1067

Aug 1968 464.8 P56

Acer saccharum, Fungus diseases (plants), Lumber preservation, Maps, Wood, Wood decay.

INFLUENCE OF SOIL TEMPERATURE ON DETERIORATION OF RED CLOVER ROOTS BY FUSARIUM ROSEUM, (ABSTRACT).

W M Siddiqui P M Halisky

Phytopathology 58(8):1067

Aug 1968 464.8 P56

Deterioration, Fungus diseases (plants), Fusarium roseum, Red clover, Roots, Soil temperature.

THE IDENTITY OF THE TOXIN PRODUCED BY PSEUDOMONAS CORONAFACIENS WITH THE WILDFIRE TOXIN FROM P. TABACI. (ABSTRACT).

S L Sinden R D Durbin

Phytopathology 58(8):1067-1068

Aug 1968 464.8 P56

Fungus diseases (plants), Pseudomonas coronafaciens, Pseudomonas tabaci, Tobacco, Toxins, Wildfire (tobacco).

ON SOME INDIAN SPECIES OF MASSEEELLA. H Singh B V Singh

Mycopathol Mycol Appl 33(2):193-199 REF

13 Nov 1967 450 M994

Fungus diseases (plants), Rust (Securinega), Securinega virosa, Uredinales.

THE IN VITRO CULTURE OF PUCCINIA RECONDITA F. SP. TRITICI. (ABSTRACT).

L L Singleton H C Jr. Young Phytopathology 58(8):1068

Aug 1968 464.8 P56

Culture media, Fungus diseases (plants), Leaves, Puccinia recondita, Wheat.

18944-68

STUDIES ON THE NATURE OF RESISTANCE IN TOMATO PLANTS TO VERTICILLIUM ALBO-ATRUM.

A K Sinha R K S Wood Ann Appl Biol 62(2):319-327 REF Oct 1968 442.8 AN72

Fungus diseases (plants), Plant disease resistance. Research, Tomatoes, Verticillium albo-atrum.

BEAN (SNAP). ROOT ROT, RHIZOCTONIA SOLANI.

W Sitterly

Amer Phytopathol Soc (rep) 23:67

1967 464.9 AM31R

Beans, Chemicals, Irrigation, Research, Rhizoetonia solani, Soil moisture, Toxicology

DISEASE O' NEW OF CROWNVETCH, CAUSED BY CORONILLA SCLEROTINIA TRIFOLIORUM.

J M Skelly R B Carroll F L Lukezic

Plant Dis Rep 52(11):882-886

Nov 1968 1.9 P69P

Crownvetch coronilla, Fungus diseases (plants), Injuries, Research, Sclerotinia trifoliorum, Soil sterilization.

ETIOLOGICAL STUDIES OF ERWINIA AMYLOVORA (BURRILL) WINSLOW U.S., AND ELECTROPHORETIC COMPARISONS OF 1T WITH OTHER BACTERIA.

J H Smith

Horticultural Abs 38(3):683

Sep 1968 241 1M74

Apples, Bacterial diseases (plants), Electrophoresis, Erwinia amylovora, Research.

A DISC ELECTROPHORETIC COMPARISON OF PROTEIN PATTERNS OF ERWINIA AMYLOVORA WITH OTHER BACTERIA, INCLUDING ASSOCIATED YELLOW FORMS. J H Smith D Powell

Phytopathology 58(7):972-975 REF

Jul 1968 464.8 P56

Bacteria, Electrophoresis, Erwinia, Proteins, Xanthomonas pruni.

18949-68

CITRUS. SPOT. GUIGNARDIA BLACK CITRICARPA.

J H Smith

Amer Phytopathol Soc (rep) 23:60

1967 464.9 AM31R

Chemical control (plant diseases), Citrus, Guignardia citricarpa, Oranges, Research, Sulfates, Trees.

18950-68

CITRUS. BLACK SPOT, GUIGNARDIA CITRICARPA.

I H Smith

Amer Phytopathol Soc (rep) 23:60

1967 464.9 AM31R

Citrus, Dimethyl sulfoxide, Guignardia citricarpa, Oranges, Plant diseases, Research, Spraying.

THE EFFECT OF LIGHT QUANTITY AND QUALITY ON SOYBEAN LEAVES INFECTED BY PSEUDOMONAS GLYCINEA. (ABSTRACT). M A Smith B W Kennedy

Phytopathology 58(8):1068

Aug 1968 464.8 P56

Fungus diseases (plants), Leaves, Lighting, Photoperiodism, Pseudomonas glycinea, Soyheans.

AUXIN TRANSPORT IN CURLY TOP VIRUS-INFECTED TOMATO, (ABSTRACT).

S H Smith S R McCall J H Harris

Phytopathology 58(8):1068

Aug 1968 464.8 P56 Biological transport, Curly top (tomatoes), Plant hormones, Tomatoes, Virus diseases (plants).

18953-68

WETTING ABILITY OF CATIONIC SURFACE-ACTIVE AGENTS AND THEIR CONTROL OF OAT POWDERY MILDEW.

E Somers R J Pring R J W Byrde J Sci Food Agr 18(4):153-155 Apr 1967 382 SO12

18

Chemical control (plant diseases), Erysiphe graminis, Fungicides, Fungus diseases (plants), lons, Oats, Powdery mildew (oats), Pyridinium compounds, Quaternary ammonium compounds, Surface-active agents.

18954-68

BACTERIA ASSOCIATED WITH GRAYWALL OF TOMATO. (ABSTRACT).

R E Stall C B Hall

Phytopathology 58(8):1069

Aug 1968 464.8 P56

Bacteria, Graywall (tomatoes), Tomatoes.

18955-68

GERMINATION TIME AND SENSITIVITY OF SPORES TO SOIL FUNGISTASIS. (ABSTRACT).

G W Steiner J L Lockwood

Phytopathology 58(8):1069

Aug 1968 464.8 P56

Allergies, Fungus diseases (plants), Seed germination, Soil fungi, Spores, Time.

18956-68

PREVALENCE OF PHYSIOLOGIC RACES OF PUCCINIA GRAMINIS F. SP. AVENAE AND TRITICI IN THE USA IN 1966.

D M Stewart B J Roberts

Plant Dis Rep 52(11):897-901

Nov 1968 1.9 P69P

Geography, Physiology, Puccinia graminis avenae, Puccinia graminis tritici, Surveys, Wheat.

18957-68

DETERMINATION OF LOSSES IN SOYBEANS CAUSED BY RHIZOCTONIA SOLANI. (ABSTRACT).

H Tachibana D Jowett W R Fehr

Phytopathology 58(8):1069

Aug 1968 464.8 P56

Crop losses, Fungus diseases (plants), Rhizoctonia solani, Soybeans.

18958-68

THE RELATIONSHIP BETWEEN BEAN YEL-LOW MOSAIC VIRUS AND PEA MOSAIC VIRUS.

R H Taylor P R Smith

Australian J Biol Sci 21(3):429-437 REF

Jun 1968 442.8 AU72

Chenopodium amaranticolor, Electron microscopy, Host indexing (plants), Mcasurement, Morphology, Mosaic (peas), Serological tests, Virus diseases (plants), Yellow mosaic (beans).

18959-68

INFORMATION ON SPRUCE SAWFLIES VIII. EGG COUNT AND OVIPOSITION. (GE)

V W Thalenhorst

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):338-350 REF

Jun 1968 464.8 Z3

Diprionidae, Insect eggs, Picea. English summary

18960-68

GERMINATION OF PHYTOPHTHORA ZOO-SPORES: KINETICS OF ENCYSTMENT AND CELL WALL DIFFERENTIATION. (AB-STRACT).

J Tokunaga S Bartnicki-Garcia

Phytopathology 58(8):1070

Aug 1968 464.8 P56

Cell wall, Kinetics, Phytophthora, Plant physiology, Seed germination, Zoospores.

18961-68

FURTHER OBSERVATION ON THE TIME REQUIREMENT FOR HYPERSENSITIVE CELL DEATH OF POTATOES INFECTED BY PHYTOPHTHORA INFESTANS AND ITS RELATION TO METABOLIC ACTIVITY.

K Tomiyama

Phytopathol Z 58(4):367-378 REF

Apr 1967 464.8 P562

Cells, Fungus diseases (plants), Hypersensitivity, Metabolism, Mortality, Phytophthora infestans, Potatoes, Research, Time. German summary 18962-68

THE YIELD OF UREDOSPORES PER UNIT OF SPORULATING AREA AS A POSSIBLE MEASURE OF TOLERANCE OF OATS TO CROWN RUST. (ABSTRACT).

E Torres J A Browning

Phytopathology 58(8):1070

Aug 1968 464.8 P56

Crown rust (oats), Fungus diseases (plants), Oats, Seed germination, Uredospores.

18963-68

APPLE PROLIFERATION, MOSAIC AND CERTAIN LATENT VIRUSES AS MANIFESTED ON APPLE TEST PLANTS.

D Trifonov

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Apples, Mosaic (apples), Virus diseases (plants).

18964-68

SERIOUS ATTACKS OF BOTRYTIS ON POME FRUITS.

V Tullio G Svampa

Horticultural Abs 38(3):684-685

Sep 1968 241 1M74

Botrytis, Fruit, Fungus diseases (plants), Plant injuries.

18965-68

PECTIC ENZYMES ASSOCIATED WITH BLACK ROOT ROT OF TOBACCO. (ABSTRACT).

L M Unbchaun L D Moore

Phytopathology 58(7):887

Jul 1968 464.8 P56

Black root rot (tobacco), Enzymes, Fungus diseases (plants), Hydrogen-ion concentration, Pectins, Thielaviopsis basicola, Tobacco.

18966-68

THE EFFECTS OF METHYL BROMIDE FU-MIGATION AND GRAFTING ON YIELD AND ROOT DISEASES OF TOMATOES.

M E Upstone

Plant Pathol 17(3):103-107

Sep 1968 464.8 P692

Chemical control (plant diseases), Greenhouses, Methyl bromide, Phytophthora cryptogea, Plant grafting, Roots, Soil fumigation, Tomatoes.

18967-68

TOMATO. BACTERIAL SPOT, XANTHOMONAS VESICATORIA.

N G Vakili

Amer Phytopathol Soc (rep) 23:92

1967 464.9 AM31R

Chemical control (plant discases), Crop losses, Insceticides, Seedlings, Spraying, Tables (data), Tomatocs, Toxicology, Weather, Xanthomonas vesicatoria.

18968-68

THE INFLUENCE OF VARIOUS RATES OF IRON, BORON, ZINC, MOLYBDENUM AND COPPER ON SYMPTOMS OF VIRUS NECROSIS OF VINE.

G Vanck

Horticultural Abs 38(3):683

Sep 1968 241 IM74

Boron, Copper, Iron, Molybdenum, Necrosis, Virus diseases (plants), Zinc.

18969-68

THE PEROXIDASE ENZYME IN BLACK SHANK-INFECTED TOBACCO. (ABSTRACT).

J A Veech

Phytopathology 58(7):887

Jul 1968 464.8 P56

Black shank (tobacco), Enzymes, Peroxidases, Phytophthora parasitica nicotianae, Plant anatomy, Plant physiology, Tobacco.

18970-68

RESISTANCE IN FLAX TO SEEDLING BLIGHT CAUSED BY RHIZOCTONIA SOLANI.
G Vest V E Comstock

Phytopathology 58(8):1161-1163

Aug 1968 464 8 P56

Flax, Fungus diseases (plants), Plant disease resistance, Rhizoctonia solani.

8971-68

STUDIES ON THE SUSCEPTIBILITY OF 148 APPLE VARIETIES TO VENTURIA IN-AEQUALIS (COOKE) ADERH.).

M Vitanov

Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Fungus diseases (plants), Plant disease resistance, Research, Venturia inaequalis.

18972-68

ON THE RELATIVE SUSCEPTIBILITY OF APPLE VARIETIES TO POWDERY MILDEW.

K A Vojtovic V K Smykov Horticultural Abs 38(3):685

Sep 1968 241 IM74

Apples, Fungus diseases (plants), Plant disease resistance, Powdery mildew (apples).

18973-68

THE USES OF SEROLOGY IN THE STUDY OF CERTAIN VIRUS DISEASES OF WOODY FRUIT PLANTS.

A Vuittencz

Horticultural Abs 38(3):682

Sep 1968 241 1M74

Fruit, Research, Serological tests, Virus diseases (plants).

18974-68

VIRUS DETECTION IN STRAWBERRIES.

G Vukovits

Horticultural Abs 38(3):682

Sep 1968 241 IM74

Diagnosis, Strawberries, Virus diseases (plants).

18975-68

BEAN (SNAP). BACTERIAL BLIGHT, PSEUDOMONAS SYRINGAE.

E K Wade D J Hagedorn

Amer Phytopathol Soc (rep) 23:68

1967 464.9 AM31R

Beans, Harvesting, Irrigation, Pseudomonas syringae, Research, Spraying, Tables (data), Weather.

18976-68

CUCUMBER, ANGULAR LEAF SPOT, PSEU-DOMONAS LACHRYMANS.

E K Wade P H Williams R Ahrens

Amer Phytopathol Soc (rep) 23:74-75

1967 464.9 AM31R

Chemicals, Cucumbers, Harvesting, Irrigation, Pseudomonas lachrymans, Research, Spraying, Weather.

18977-68

POTATO. EARLY BLIGHT, ALTERNARIA SOLANI.

E K Wade G G Weis R Ahrens

Amer Phytopathol Soc (rep) 23:84

1967 464.9 AM31R Alternaria solani, Chemicals, Crop losses, Fungicides, Irrigation, Potatoes, Research, Spraying, Weather.

18978-68

A VIRUS ISOLATE FROM DESMODIUM RE-LATED TO TURNIP YELLOW MOSAIC. (AB-STRACT).

H J Walters H A Scott

Phytopathology 58(8):1071

Aug 1968 464.8 P56

Desmodium, Virus diseases (plants), Viruses, Yellow mosaic (turnips).

18979-68

DISTRIBUTION OF MATING TYPE FACTORS OF PLEUROTUS OSTREATUS FROM A SIN-GLE TREE AND SURROUNDING AREA. (AB-STRACT).

S S Wang N A Anderson Phytopathology 58(8):1071

Aug 1968 464.8 P56

18980-68

Breeding, Fungus diseases (plants), Pleurotus ostreatus, Trees, Ulmus.

ADDITIONAL HERBACEOUS HOSTS OF THE EXOCORTIS VIRUS OF CITRUS. (ABSTRACT).

L.G. Weathers F.C. Jr Green Phytopathology 58(8):1071

Aug 1968 464.8 P56

Citrus, Exocortis (citrus), Host indexing (plants), Virus diseases (plants).

THE OCCURRENCE OF FUSARIUM IN THE AIR IN NORTHERN HARDWOOD FORESTS. (ABSTRACT).

T C Weidensaul

Phytapathalogy 58(8):1071

Aug 1968 464.8 P56

Air, Forests, Fusarium roseum, Fusarium solani, Fusarium tricinctum, Hardwoods.

18982-68

WHEAT, WINTER, LEAF RUST, PUCCINIA RECONDITA.

J L Weihing D S Wysong

Amer Phytopathal Soc (rep) 23:108

1967 464.9 AM31R

Crop yields, Fungicides, Harvesting, Manch, Puccinia recondita, Weather, Wheat.

18983-68

STUDIES ON THE ETIOLOGY AND DISEASE CYCLE OF BLUEBERRY CANKERS IN MICHIGAN, (ABSTRACT).

D P Weingartner E H Barnes E J Klos

Phytopathology 58(8):1071

Aug 1968 464.8 P56

Blueherries, Canker (fruit), Fungus diseases (plants), Phomopsis, Research.

18984-68

LIMA BEANS RESISTANT TO DOWNY MIL-DEW (PHYTOPHTORA PHASEOLI). (AB-STRACT).

R E Wester

Phytopathology 58(7):887

Jul 1968 464.8 P56

Downy mildew (lima beans), Lima beans, Phytophthora phaseoli, Plant disease resistance, Plant genetics.

18985-68

VIRULENCE OF VERTICILLIUM ALBO-ATRUM IN COTTON IN RELATION TO COLONY CHARACTERISTICS AND EN-DOPOLYGALACTURONASE PRODUCTION. (ABSTRACT).

M V Wiese J E DeVay A Ravenscroft

Phytopathology 58(8):1072

Aug 1968 464.8 P56

Cotton, Fungus diseases (plants), Metabolism, Pectinase, Properties, Verticillium albo-atrum.

DIFFERENTIAL SUSCEPTIBILITY OF RICE LEAVES AND PANICLES TO PIRICULARIA ORYZAE. (ABSTRACT).

G M Willis R D Allowitz E S Menvielle

Phytopathology 58(8):1072

Aug 1968 464.8 P56

Fungus diseases (plants), Leaves, Piricularia oryzae, Plant disease resistance, Rice.

HEAT-INDUCED SUSCEPTIBILITY OF BLACK SHANK-RESISTANT TOBACCO TO PHYTOPHTHORA PARASITICA VAR. NICOTIANAE. (ABSTRACT).

W.H. Wills L. D. Moore

Phytopathology 58(7):887

Jul 1968 464.8 P56

Black shank (tobacco), Injections, Necrosis, Phytophthora parasitica nicotianae, Plant temperature, Tobacco.

DUTCH ELM DISEASE IN ARKANSAS. C L Wilson M C McDaniel C P Seymour Plant Dis Rep 45(11):900

15 Nov 1961 1.9 P69P

Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Tree diseases, Ulmus, Ulmus alata,

NEW FUNGICIDES EFFECTIVE FOR PECAN SCAB CONTROL IN GEORGIA.

R E Worley S A Harmon

Horticultural Abs 38(3):687

Sep 1968 241 IM74

Fungicides, Fungus diseases (plants), Pecans, Scab

18990-68

FORMATION OF LARGE NECROTIC LESIONS BY SUBLETHAL PHYSICAL AND CHEMICAL TREATMENTS OF PINTO BEAN PRIMARY LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS (TMV). (ABSTRACT).

J Wu A Stubbs J E Dimitman

Phytopathalogy 58(8):1073

Aug 1968 464.8 P56

Chemicals, Kidney beans, Leaves, Mosaic (tobacco), Necrosis, Therapeutics, Virus diseases (plants).

18991-68

EFFECTS OF AERATED STEAM AND SELECTED FUMIGANT TREATMENT OF CAS-ING SOIL ON MUSHROOM PRODUCTION AND MICROBIAL POPULATIONS OF THE SOIL. (ABSTRACT).

P J Wucst L C Schisler

Phytopathology 58(8):1073

Aug 1968 464.8 P56

Fumigants, Fungus diseases (plants), Microorganisms, Mushrooms, Soil fumigation, Steam.

ISOLATION OF THE ON THE DOPARASITIC ROOT-NEMATODE. (GE) V U Wyss

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):353-357 REF

Jun 1968 464.8 Z3

Plant nematodes, Pratylenchus penetrans, Roots, Temperature.

18993-68

VIRAL LESION FORMATION CHLOROPHYLL DEFICIENT LEAF AREA.

A Yamguchi

Phytanathal Z 61(4):399-400

Apr 1968 464.8 P562

Biochemistry, Broadbeans, Chlorophylls, Chloroplasts, Leaves, Plant nutritional deficien-cies, Virus diseases (plants). German summary

IN VITRO INCREASE IN VIRUS INFECTIVITY. C E Yarwood

Nature 216(5112):269-270

21 Oct 1967 472 N21

Culture media, Host indexing (plants), Injections, Mosaic (beets), Mosaic (cucumhers), Plant disease transmission, Research, Tables (data), Virus diseases (plants).

18995-68

THE ROLE OF HELMINTHOSPORIUM VIC-TORIAE TOXIN IN THE INITIAL PHASE OF PATHOGENESIS ON OATS. (ABSTRACT).

O C Yoder R P Scheffer Phytopathology 58(8):1074

Aug 1968 464.8 P56

Fungus diseases (plants), Helminthosporium victoriae, Oats, Toxins.

18996-68

THE PURIFICATION OF INSOLUBLE COAT PROTEINS FROM DEFECTIVE MUTANTS OF TOBACCO MOSAIC VIRUS (TMV). (AB-STRACT).

M Zaitlin V Hariharasubramanian Phytopathology 58(8):1074 Aug 1968 464.8 P56

THE RAPID DEVELOPMENT AND SPREAD OF STRAIN B OF PHYTOPHTHORA PHASEOLI IN 1967. (ABSTRACT).

Mosaic (tobaceo), Mutation, Proteins, Steriliza-

tion, Tobacco, Virus diseases (plants).

W J Zaumeyer R E Wester

Phytopathology 58(7):887

Jul 1968 464.8 P56

Downy mildew (lima beans), Fungus diseases (plants), Infectious diseases, Lima beans, Phytophthora phaseoli.

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18997-68

BACTERIOPHAGE INTERRELATIONS PATHOLOGICAL CAPABILITIES OF TWO ER-WINIA SPECIES AFFECTING THE PERSIAN WALNUT.

F M Zeitoun

Horticultural Abs 38(3):683

Sep 1968 241 1M74

Bacterial diseases (plants), Erwinia, Persian wal-

ARTHROPODS

CONTROL OF COTTON PESTS IN THE NORTHFAST.

Anonymous

Faod Agr Organ UN ETAP Rep 2284:36P MAP 1967 281.9 F7330E

Cotton, Crop yields, Insect control, Insect pests, Plant protection. Report to the government of Brazil.

RECORDS OF ARAECERUS FASCICULATUS DEGEER (COL., ANTHRIBIDAE) BREEDING IN EAST AFRICA.

F Ashman

Entomol Mon Mag (SER,4)98(270-2):124 Jun 1962 421 EN86

Araecerus fasciculatus, Breeding, Crops, Harvesting, Larvae, Plant injuries, Research.

THE ECONOMIC IMPORTANCE OF ZEUZERA PYRINA IN THE LOWER RHONE VALLEY AND THE COST OF CHEMICAL CONTROL.

H Audemard

Horticultural Abs 38(3):692

Sep 1968 241 IM74

Agricultural economics, Chemical control (insects), Zeuzera pyrina.

19002-68

COTTON. NEMATODES, VARIOUS MATODES.

C W Blackman

Amer Phytopathol Soc (rep) 23:129

1967 464.9 AM31R

Chemicals, Cotton, Crop yields, Nematocides, Nematodes, Research, Sampling (statistics), Weather,

SOYBEANS NEMATODES, VARIOUS NE-MATODES.

C W Blackmon

Amer Phytopathol Soc (rep) 23:131

1967 464.9 AM31R

Chemicals, Crop yields, Nematocides, Nematodes, Research, Soybeans, Tables (data).

19004-68

PESTS OF WALNUT TREES.

H Bohm

Horticultural Abs 38(3):691

Sep 1968 241 IM74 Insect control, Insect pests, Juglans.

INTEGRATED CONTROL OF SEVERAL APHIDS, IN: HODEK, I., ED, ECOLOGY OF APHIDOPHAGOUS INSECTS, SB975.089.

L Bonnemaison

329-330

1966

Aphelinus mali, Crop losses, Eriosoma lanigerum, Integrated control (insects), Plant protection, Research, Temperature.

19006-68

BEAN (LIMA), SWEET POTATO, ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.

B B Brodie S A Harmon

Amer Phytopathol Soc (rep) 23:128

1967 464.9 AM31R

Chemicals, Crop yields, Lima beans, Meloidogyne incognita, Research, Soil structure, Sweet potatoes.

AN AREA CONTROL PROGRAM FOR THE PEAR PSYLLA.

E C Burts

Horticultural Abs 38(3):693

Sep 1968 241 IM74

Insect control, Insect pests, Pears, Psylla.

A REPORT ON FORESTS, PESTS, AND PESTI-CIDES. REPORT, MAY 11, 1967. SB761.0B4.

11 May 1967

Animals, Biochemistry, Chemical control (insects), Forests, Insect control, Insecticides, Pesticides, Reports, Research, Toxicology.

19009-68

THE PICKLEWORM; ITS CONTROL ON CU-CURBITS IN ALABAMA.

T D Canerday J d Dilbeck

Ala Agr Exp Sta Bull 381,27P.

Sep 1968 100 ALIS (1)

Biochemistry, Chemical control (insects), Cucurbits, Diaphania nitidalis, Insect morphology, Insect pests, Insecticides, Plant hardiness, Plant injuries, Tables (data).

19010-68

CONTROL OF CATERPILLARS ATTACKING CABBAGE.

T D Canerday F S Arant

Ala Agr Exp Sta Circ 163,18P.

Sep 1968 100 ALIS (2)

Cabbage, Caterpillars, Chemical control (pests), Insect pests, Larvae, Plant injuries.

19011-68

CONTROL GYPSY OF THE MOTH PORTHETRIA DISPAR, IN QUEBEC.

J A Cardinal

Horticultural Abs 38(3):692

Sep 1968 241 1M74

Insect control, Plant protection, Porthetria dispar.

MONOLAYER CULTURES OF INSECT CELL LINES AND THEIR INOCULATION WITH A PLANT VIRUS.

R J Chiu L M Black

Nature 215(5105):1076-1078

02 Sep 1967 472 N21

Agallia constricta, Cells, Culture media, Injections, Insect vectors, Plant disease transmission, Virus diseases (plants).

19013.68

APPLE: SCAB, VENTURIA INAEQUALIS.

S R Conner R W Miller J W Heuberger Amer Phytopathol Soc (rep) 23:32-33

1967 464.9 AM31R

Apples, Chemical control (insects), Cuticle, Leaves, Spraying, Trees, Venturia inaequalis.

APPLE. APPLE SCAB, VENTURIA IN-AEQUALIS.

S R Connor R W Miller J W Heuberger Amer Phytopathol Soc (rep) 23:33-34 1967 464.9 AM31R

Apples, Dodine, Fungicides, Glyodin, Laboratories, Research, Spraying equipment, Trees, Venturia inaequalis.

19015-68

APPLE. APPLE SCAB, VENTURIA AEQUALIS.

C J Delp

Amer Phytopathol Soc (rep) 23:35

1967 464.9 AM31R

Apples, Chemical control (insects), Hibernation, Spraying, Trees, Venturia inaequalis, Weather.

19016-68

TOBACCO, FLUE-CURED (PLANT BED), DAMPING-OFF AND ROOT ROT SOIL-BORNE PATHOGENS INCLUDING; PHYTOPHTHORA PARASITICA VAR. NICOTIANAE, AND MELOIDOGYNE SP., CONTROL OF WEEDS.

P D Dukes

Amer Phytopathol Soc (rep) 23:135-136

1967 464.9 AM31R

Crop yields, Meloidogyne, Microorganisms, Pesticides, Phytophthora parasitica nicotian Research, Soil analysis, Tables (data), Tobacco, nicotianae.

POSSIBLE NEW APPROACH TO THE CHEMI-CAL CONTROL OF PLANT FEEDING IN-SECTS.

C E Dyte

Nature 216(5112):298 REF

21 Oct 1967 472 N21

Biochemistry, Chemical control (insects), Feeding, Insect pests, Insect repellents, Insecticides, Plant hardiness, Plant injuries, Research.

BIOLOGY AND CONTROL OF LEOPARD MOTH ON PEAR TREES IN THE UNITED ARAB REPUBLIC.

M E Eldefrawl I Hanbal S M Hammad

Horticultural Abs 38(3):692

Sep 1968 241 IM74

Biology, Insect control, Pears, Zeuzera pyrina.

19019-68

ANNOTATED BIBLIOGRAPHY OF THE LITERATURE, 1792-1962, ON THE ELM SPAN-WORM, ENNOMOS SUBSIGNARIUS (HBN.). 75858 L 5F4

G F Fedde

40 P.

1963

Bibliography, Ennomos subsignarius, Food plants, Forest insects, Insect behavior, Insect pests, Ulmus.

THE ASPECTS OF INTEGRATED CONTROL WITH REFERENCE TO APHIDS AND SCALE INSECTS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

J Fluiter

291-295 1966

Aphididae, Chemicals, Crop losses, Environment, Integrated control (insects), Predaceous insects, Research.

TRANSMISSION OF STRAWBERRY MOTTLE VIRUS BY JUICE AND APHIDS TO HER-BACEOUS HOSTS,

N W Frazier

Horticultural Abs 38(3):682

Sep 1968 241 IM74

Aphididae, Insect vectors, Mottle (strawberries), Virus diseases (plants).

19022-68

TOBACCO ROOT-KNOT AND LESION NEMA., MELOIDOGYNE SP. AND PRATYLENCHUS SP. T W Graham

Amer Phytopathol Soc (rep) 23:136-137

1967 464.9 AM31R

Chemical control (pests), Crop yields, Fumigation, Pratylenchus, Plant Meloidogyne, Plant injuries, Pra Research, Soils, Tahles (data), Tobacco.

19023-68

KEYS TO THE HETERODERA GROUP AND SPECIES OF THE HETERODERA ROSTOCHIENSIS GROUP.

l Granek

Plant Dis Rep 52(11):827-228 Nov 1968 1.9 P69P

Crop yields, Cysts, Heterodera rostochiensis, Potatoes, Research, Seeds, Surveys, Vulva.

19024-68

ON THE COMBINED APPLICATION OF IN-SECTICIDES, IRON CHELATES AND UREA IN FRUIT ORCHARDS.

V A Grodskij

Horticultural Abs 38(3):696

Sep 1968 241 IM74

Biochemistry, Chelation, Fruit, Insecticides, Iron, Pesticide application, Plant protection, Urea.

FURTHER STUDIES OF EFFECTS OF ANTIBIOTICS AND OTHER COMPOUNDS ON FECUNDITY AND MORTALITY OF THE TWO-SPOTTED SPIDER MITE.

F H Harries

Horticultural Abs 38(3):690

Sep 1968 241 IM74

Antibiotics, Chemicals, Insect pests, Mortality, Plant protection, Research, Tetranychus urticae.

NOTES ON SOME APHIDS FROM BRITISH NORTH BORNEO.

G D Heathcote U F Eastop

Entomol Mon Mag (SER.4)98(267-9):97-98

Mar 1962 421 EN86

Aphididae, Feeding, Insect pests, Insect traps, Plant injuries, Plants, Research.

19027-68

THE PRESENT POSSIBILITIES PROSPECTS OF INTEGRATED CONTROL OF APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

I Hodek J Holman K Novak V Skuhravy P Stary L Weismann

331-335

1966

Aphis fahae, Environment, Insecticides, Integrated control (insects), Predaceous insects, Research.

19028-68

THE EGGS AND OVIPOSITION SITES OF HYALIODES VITRIPENNIS ON APPLE TREES (MIRIDAE: HEMIPTERA).

R L Horsburgh D Asquita Horticultural Abs 38(3):690

Sep 1968 241 IM74

Apples, Hyaliodes vitripennis, Insect behavior, Insect eggs, Insect pests, Miridae,

THE ROLE OF APHIDOPHAGOUS COCCINEL-LIDS IN BIOLOGICAL CONTROL. IN: HODEK, I., ED. ECOLOGY OF APHIDOPIIAGOUS IN-SECTS, SB975.0S9.

G Iperti

32**i**-322

1966

Aphididae, Biological control (insects), Coccinellidae, Population statistics, Predaceous insects, Research.

19030-68

HOPPERBURN DISEASE OF CASTOR BEAN VARIETIES CAUSED BY EMPOASCA FLAVESCENS (F.) IN RELATION TO THE HISTOLOGY OF LEAVES.

S Javarai

Phytopathol Z 58(4):397-406 REF

Apr 1967 464.8 P562

Castorbeans, Empoasea flavescens, Histology, Insect pests, Leaves. German summary

19031-68

ENTOMOLOGY DEPARTMENT.

C G Johnson

19032-68

Rahamsted Exp Sta Rep 1967:188-210

1968 103 R74GA

Acyrthosiphon pisum, Aphididae, Beans, Cropyields, Entomology, Insect behavior, Insect biology, Insect flight, Insect morphology, Insect traps, Insect vectors, Insecticides, Plant disease transmission, Reports, Surveys, Tables (data), Virus diseases (plants).

19032-68

THE ORIENTAL FRUIT MOTIL.

Horticultural Abs 38(3):692

Sep 1968 241 IM74

Fruit, Grapholitha molesta, Insect control.

19033-68

PESTS OF THE GRAPEVINE.

E L Jones

Horticultural Abs 38(3):678

Sep 1968 241 IM74

Grapes, Insect control, Insect pests, Plant protec-

19034-68

DISTRIBUTION OF PHONY PEACH VECTORS IN SOUTH CAROLINA.

A Kalkandelen R C Fox

Horticultural Abs 38(3):681

Sep 1968 241 IM74

Insect dissemination, Insect vectors, Peaches, Phony disease (peaches).

ATTRACTION OF PEAR **PSYLLA** BLACKLIGHT.

G H Kaloostian W W Wolf

Horticultural Abs 38(3):693

Sep 1968 241 IM74

Attractants, Infrared rays, Insect pests, Insect traps, Light traps, Pears, Psylla.

19036-68

APPLE. APPLE SCAB, VENTURIA IN-AEQUALIS.

E J Klos J Kobb R Miller

Amer Phytopathol Soc (rep) 23:43

1967 464.9 AM31R

Apples, Chemical control (insects), Difolatan, Fungicides, Venturia inaequalis.

THE PROSPECT OF THE USE OF INSECTI-CIDES BASED ON CARBAMIC ACID. (CZ.)

J Klumpar

Agrochemia 8(4):53-55 REF

1968 385 AG88

Carhamic acid, Chemical control (insects), Insecticides, Plant protection.

19038-68

CHERRY (SWEET). ROOT LESION NE-MATODE, PRATYLENCHUS PENETRANS.

J A Knierim F R Fronek M A Veenstra

Amer Phytopathol Soc (rep) 23:128

1967 464.9 AM31R

Chemicals, Mazzard cherries, Pratylenchus penetrans, Research, Sandy soils, Soil analysis.

ALLOTROPA IN THE SAMARKAND REGION.

V A Lehedev

Horticultural Abs 38(3):691

Sep 1968 241 IM74

Allotropa burrelli, Insect pests, Morus, Plant protection, Pseudococcus comstocki.

AN APPRAISAL OF METHODS OF SAMPLING APPLE TREES AND RESULTS OF SOME TESTS USING A SAMPLE UNIT COMMON TO INSECT PREDATORS AND THEIR PREY.

F T Lord

Horticultural Abs 38(3):690 Sep 1968 241 IM74

Apples, Insect pests, Panonychus ulmi, Predaceous insects, Trees.

19041-68

THE RIGHT TRAP FOR THE RIGHT TIMING.

H Madsen

Horticultural Abs 38(3):691-692

Sep 1968 241 IM74

Apples, Insect control, Insect pests, Insect traps,

19042-68

THE LARVA OF THE DOCK SAWFLY, AMETASTEGIA GLABRATA, AS A PEST IN ORCHARDS.

F Mani I Stalder

Horticultural Abs 38(3):693

Sep 1968 241 IM74

Ametastegia glabrata, Fruit, Insect pests, Larvae.

19043-68

INSECTICIDAL LABORATORY STUDIES ON SISAL WEEVIL (SCYPHOPHORUS INTERSTI-TIALIS GYLL., CURCULIONIDAE, COLEOP-TERA). III. SYSTEMIC INSECTICIDES AP-PLIED TO SOIL.

M E A Materu D Webley

Arnsha Trop Pesticides Res Inst Misc Rep 564,14

Jun 1966 423.92 G7922

Chemical control (insects), Disulfoton, Insecticides, Phorate, Plant metabolism, Plant translocation, Scyphophorus interstitialis, Sisal, Soil sanita-

19044-68

THE ACTION OF SEVIN ON CODLING MOTH EGGS.

A S Matvievskij

Horticultural Abs 38(3):692

Sep 1968 241 IM74

Carbaryl, Carpocapsa pomonella, Insect control, Insect eggs, Insecticides, Plant protection.

GRAPE LEAF BLISTER MITE.

R A McLachlan

Horticultural Abs 38(3):690

Sep 1968 241 IM74

Chemical control (insects), Eriophyes vitis, Grapes, Insect pests.

19046-68

IMPORTANCE OF APHIDOPHAGOUS IN-SECTS IN THE REGULATION OF POTATO APHID. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS, SB975.0S9. W Meier

323-325

1966

Aphididae, Chemical control (insects), Insect outbreaks, Population statistics, Potatoes, Predaceous insects, Research, Virus diseases (insects).

19047-68

PHYTOPATHOLOGICAL SIGNIFICANCE OF THE GENUS APPELIA C.P. (APHIDOIDEA: APHIDIDAE). I. (GE) M Mostafawy

Z Angew Zool 54(3):373-432

1967 449.8 Z36

Aphididae, Appelia, Insect biology, Insect morphology, Insect vectors, Peaches, Plant pests, Plums.

IDENTIFICATION OF ERIOPHYID MITES TRAPPED ON SILICONE GREASE-COATED SLIDES. (ABSTRACT).

L R Nault W E Styler

Phytopathology 58(8):1061 Aug 1968 464.8 P56

Eriophyidae, Insect traps, Insect vectors, Mites, Plant diseases, Silicones.

19049-68

PREDATORS OF APHIDS, ASSOCIATED WITH ORCHARDS, IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS, SB975.0S9. E Niemczyk

275-276

1966

Aphididae, Apples, Chrysopa, Coccinella, Fungicides, Heteroptera, Orchidaceae, Predaceous insects, Research, Spraying.

19050-68

AN EXPERIMENTAL SPRAY PROGRAM FOR INTEGRATED CONTROL OF INSECTS AFFECTING SOUR CHERRY,

E R Oatman

Horticultural Abs 38(3):691

Sep 1968 241 IM74

Insect control, Research, Sour cherries, Spraying.

A MITE THAT IS HARMFUL TO YOUNG PLUM TREES.

K Olsson

Horticultural Abs 38(3):690

Sep 1968 241 IM74

Aculus fockeui, Insect pests, Mites, Plums, Trees.

TOBACCO ROOT-KNOT NEMATODE, ME-LOIDOGYNE INCOGNITA ACRITA.

W W Osborne

Amer Phytopathol Soc (rep) 23:141

1967 464.9 AM31R

Chemical control (insects), Fertilization (plants), Meloidogyne incognita acrita, Research, Soil structure, Tables (data), Tobacco, Transplanting.

TOBACCO ROOT-KNOT NEMATODE, ME-LOIDOGYNE INCOGNITA ACRITA.

W W Osborne

Amer Phytopathol Soc (rep) 23:140

1967 464.9 AM31R

Chemical control (pests), Crop yields, Fertilization (plants), Meloidogyne incognita acrita, Nematocides, Research, Soil structure, Soil temperature, Tahles (data), Tobacco.

TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.

W W Osborne

Amer Phytopathol Soc (rep) 23:139

1967 464.9 AM31R Chemical control (pests), Meloidogyne incognita acrita, Research, Soil moisture, Soil structure, Tables (data). Tobacco.

TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.

W W Oshorne

Amer Phytopathol Soc (rep) 23:138-139

1967 464.9 AM31R Chemical control (insects), Crop yields, Fertiliza-tion (plants), Meloidogyne incognita acrita, Research, Soil structure, Soil temperature, Tohac-

TOBACCO OSBORNES CYST NEMATODE. (BEING DESCRIBED BY DR. L. I. MILLER).

W W Oshorne Amer Phytopathol Soc (rep.) 23:138

1967 464.9 AM31R Chemical control (insects), Chemicals, Nematodes, Soil structure, Tables (data), Temperature, Tobacco, Transplanting.

19057-68

SOYBEAN. NEMATODE, STING BELONOLAIMUS SP.

W W Osborne

Amer Phytopathol Soc (rep) 23:132 1967 464.9 AM31R

Belonolaimus, Chemical control (pests), Crop yields, Fertilizers, Research, Soil analysis, Soils, Soybeans.

19058-68

POPULATION DYNAMICS OF PARASITES AND HYPERPARASITES THE BREVICORYNE BRASSICAE (L.). 1N: IIODEK, 1., ED. ECOLOGY OF APHIDOPHAGOUS IN-SECTS, SB975.0S9.

D Paetzold G Vater

279-281

1966

Brevicoryne brassicae, Cabbage, Demography, Harvesting, Integrated control (insects), Parasitic insects. Research.

APPLE, SCAB, VENTURIA INAEQUALIS.

D H Palmiter

Amer Phytapathol Soc (rep) 23:46

1967 464.9 AM31R

Apples, Fungicides, Spraying, Trees, Venturia inaequalis, Weather.

INSECTICIDES AND FUNGICIDES DEPART-MENT.

C Potter

Rothamsted Exp Sta Rep 1967:163-187

1968 103 R74GA

Biochemistry, Biological assay, Chemical control (insects), Chemical control (plant diseases), Fungicides, Insecticides, Pesticide application, Poisoning, Reports, Tables (data).

19061-68

CHEMICAL ATTRACTANTS FOR NAVEL ORANGEWORM MOTHS.

D W Price J A Mazrimas F M Summers

Harticultural Abs 38(3):692

Sep 1968 241 IM74

Attractants, Chemicals, Insect pests, Oranges, Paramyelois transitella.

19062-68

WOODEN APPLES LURE COSTLY PEST.

R J Prokopy

Harticultural Abs 38(3):691

Sep 1968 241 1M74

Apples, Insect control, Insect pests, Insect traps, Rhagoletis pomonella.

19063-68

PROGRESS OF THE STERILIZATION PRO-GRAM FOR CODLING MOTH CONTROL DUR-ING 1967.

M D Proverbs

Horticultural Abs 38(3):692

Sep 1968 241 IM74

Carpocapsa pomonella, Insect control, Sterility, Time.

19064-68

APHID SAMPLING **EFFICIENCY** MOERICKE TRAPS AFFECTED BY HEIGHT AND BACKGROUND.

W A Rawlins

J Econ Eutamal 61(1):109-114 REF

Feb 1968 421 1822

Aphididae, Insect migration, Insect populations, Insect traps, Insect vectors, Lettuce, Mosaic (lettuce), Plant disease transmission, Zoogeography.

Abstract

19065-68

RESEARCH ON PEAR MORIA; PEAR DECLINE DISEASE. FINAL TECHNICAL REPORT, SEPTEMBER 11, 1962-SEPTEMBER 10, 1967. SB608.P4R4.

E Repatti

25P.

1967 Epidemiology, Insect vectors, Moria (pears), Nematodes, Plant disease transmission, Plant physiology, Psylla, Reports, Research, Roots.

19066-68

THE PEAR LEAF BLISTER MITE,

G D Rimes

West Aust J Agr 9(6):159-160

Jun 1968 23 W 520J

Chemical control (insects), Crop yields, Environment, Eriophyes pyri, Research.

19067-68

THE APPLE SEED CHALCID, TORYMUS VARIANS, IN QUEBEC.

1 Rivard

Horticultural Abs 38(3):693

Sep 1964 241 IM74

Apples, Insect pests, Torymus varians.

CONTRIBUTION TO THE REGULATION OF THE GROWTH OF PROTECTING BELTS ON THE SLOPES OF THE TERRACES. (CZ.)

J Rozkos V Sedlak

Agrochemia 8(1):20-24

1968 385 AG88

Chemical control (weeds), Fruit, Grasses, Plant protection, Plant regulators.

PLANT-PARASITIC NEMATODES ASSOCIATED WITH SOUTHERN HARDWOOD AND CONIFEROUS FOREST TREES.

I.I. Ruehle

Plant Dis Rep 52(11):837-839

Nov 1968 1.9 P69P

Coniferae, Geography, Hardwoods, Nematodes, Parasitic insects, Surveys. A list of trees and nematodes are given

19070-68

SOME EFFECTS OF SPRAYING WITH THIABENDAZOLE ON THE SUSCEPTIBILITY OF SUGAR BEET TO YELLOWING VIRUSES AND ON THEIR VECTOR, MYZUS PERSICAE (SULZ.).

G E Russell

Auu Appl Bial 62(2):265-272

Oct 1968 442.8 AN72

Insect vectors, Myzus persicae, Plant disease resistance, Spraying, Sugar beets, Thiazolyl)-benzimidizole, 2-(4-, Virus diseases (plants), Yellows (sugar beets).

19071-68

AN APHID PREDATOR EXCLUSION TEST. IN: HODEK, **ECOLOGY** ED. 1.. APHIDOPHAGOUS INSECTS. SB975.0S9.

R 1 Sailer

263

1966

Chrysopa, Coccinella septempunctata, Crop yields, Insect cages, Macrosiphum euphorbiae, Population, Potatoes, Predaceous insects, Research.

THE SIGNIFICANCE OF COCCINELLIDAE IN THE BIOLOGICAL CONTROL OF APPLETREE APHIDS IN THE ALMA-ATA FRUIT-GROWING REGION. IN: HODEK, 1., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

G 1 Savoiskaya

317-319

1966

Aphididae, Apples, Biological control (insects), Chemicals, Coccinellidae, Orchidaceae, Plant injuries, Research.

VIRUS PARTICLES IN CHLORDPLASTS OF PLANTS INFECTED WITH THE U5 STRAIN OF TOBACCO MOSAIC VIRUS.

T A Shalla

Virology 35(2):194

Jun 1968 448.8 V81

Antibodies, Chloroplasts, Electron microscopy, Leaves, Morphology, Mosaic (tobacco), Rihonucleic acid, Virus diseases (plants).

PREPARATION AND PROPERTIES OF THE PROTEIN AND NUCLEIC ACID COMPONENTS OF PEA ENATION MOSAIC VIRUS.

R J Shepherd R J Wakeman S A Ghabrial Virology 35(2):255-267 REF

Jun 1968 448.8 V81

Acids, Enation mosaic (peas), Molecular weight, Nucleic acids, Proteins, Virus diseases (plants).

19075-68

COMPARISONS OF SOIL AND FOLIAR APPLI-CATIONS OF ACARICIDES FOR CONTROL OF THE TWO-SPOTTED SPIDER MITE ON STRAWBERRIES IN SOUTHERN CALIFOR-NIA.

H H Shorey R L Hale V Votb

Horticultural Abs 38(3):690

Sep 1968 241 IM74

Acaricides, Foliar application, Insect pests, Soils, Strawberries, Tetranychus urticae.

THE PERFORMANCE OF 13 CHEMICAL COMPOUNDS WITH AN ACARICIDAL ACTION AGAINST THE EUROPEAN RED SPIDER MITE (PANONYCHUS ULMI: ACARINA, TETRANYCHIDAE).

A Silveira-Guido J Carbonell Bruhn J E Briozzo Harticultural Abs 38(3):690

Sep 1968 241 IM74

Acaricides, Chemicals, Insect pests, Panonychus

FUNGICIDE-NEMATOCIDE TESTS; RESULTS FOR 1967.

J B Sinclair

Amer Phytopathol Soc (rep) 23,148 P.

1967 464.9 AM31R

Antibiotics, Fruit, Fungicides, Insect control, Nematocides, Plant diseases.

19078-68

SUMMING-UP OF THE SECTION V. IN: HODEK, 1., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS, SB975.0S9.

R F Smith 285-287

1966

Aphididae, Coccinella, Demography, Environment, Feeding, Pest control, Predaceous insects, Research.

19079-68

NATURAL REGULATION OF ALFALFA APHIDS IN CALIFORNIA. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.

R F Smith K S Hagen

297-315

1966

Alfalfa, Ecology, Insect migration, Population statistics, Research, Therioaphis trifolii, Weather.

19080-68

TOBACCO (BURLEY) ROOT-KNOT MATODE, MELOIDOGYNE INCOGNITO.

C J Southards

Amer Phytopathol Soc (rep) 23:142

1967 464.9 AM31R

Chemical control (insects), Humidity, Meloidogyne incognita, Soils, Tobacco, Transplanting, Vorlex, Weather.

19081-68

SWEET POTATO, ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.

C J Southards C H Hadden

Amer Phytopathol Soc (rep) 23:135

1967 464.9 AM31R

Chemical control (insects), Crop yields, Meloidogyne incognita, Soil sampling, Soils, Sweetpotatoes.

TOBACCO (BURLEY) ROOT-KNOT NE-MATODE, MELOIDOGYNE INCOGNITA.

C J Southards Amer Phytopathol Soc (rep) 23:142

1967 464.9 AM31R

Chemical control (pests), Harvesting date, Meloidogyne incognita, Research, Tahles (data), Tobacco, Toxicology, Transplanting, Weather.

RED SPIDER MITE IN DECIDUOUS FRUIT ORCHARDS.

P L Swart

19084-68

Sep 1968 241 IM74

Acaricides, Fruit, Insect pests, Mites, Spraying.

APPLE, SCAB, VENTURIA INAEQUALIS.

M Szkolnik

Amer Phytopothol Soc (rep) 23:47

1967 464.9 AM31R

Apples, Azinphosniethyl, Captan, Chemical control (plant diseases), Dicofol, Fungicides, Venturia inacqualis.

APPLE, SCAB, POWDERY MILDEW; VENTU-RIA INAEQUALIS, AND PODOSPIIAERA LEU-COTRICHA.

M Szkolnik

Amer Phytopathol Soc (rep) 23:48

1967 464.9 AM31R

Aerial spraying, Apples, Chemical control (insects), Chemicals, Fungicides, Podosphaera leu-cotricha, Research, Venturia inaequalis.

19086-68

TOBACCO (SHADE-GROWN), ROOT ROT PREDOMINATELY COMPLEX PENETRANS PRATYLENCHUS AND PRATYLENCHUS BRACHYURUS.

W B Tappan R R Kincaid G C Smart Jr. Amer Phytopathol Soc (rep) 23:142-143

1967 464.9 AM31R

Chemicals, Crop yields, Insect control, Plant injuries, Pratylenchus brachyurus, Pratylenchus penetrans, Research, Tobacco, Toxicology.

19087-68

TOBACCO ROOT-KNOT NEMATODE, ME-LOIDOGYNE SP.

S S Thompson

Amer Phytopathol Soc (rep) 23:143

1967 464.9 AM31R

Chemicals, Crop yields, Fumigants, Meloidogyne, Nematocides, Research, Tahles (data), Tobacco, Transplanting.

19088-68

ARGYROTAENIA **PULCHELLANA** (HAWORTH) (LEPIDOPTERA, TORTRICIDAE) INJURIOUS TO FENNEL (FOENICULUM VUL-GARE DULCE MILL.) IN CAMPANIA. (IT) E Tremblay

Portici Lab Entomol Agr Filippo Silvestri Boll

24-31-48 REF

1966 420 P82B Argyrotaenia pulchellana, Carharyl, Chemical control (insects), Foeniculum vulgare, Insect behavior,

Insect biology, Tortricidae. English summary.

CABBAGE INSECTS; HOW TO CONTROL THEM IN THE HOME GARDEN.

U.S.D.A. Home Gard Bull 44:4 P.

1968 LAG840HG

Biochemistry, Cabbage, Chemical control (insects), Crop losses, Feeding, Gardens, Insect pests, Insecticides, Leaves, Plant injuries, Tahles (data).

19090-68

OBSERVATIONS ON THE EFFECT OF FLOWERS ON THE ACTIVITY OF PARASITIC HYMENOPTERA.

H F Van Emden

Entomol Mon Mag (SER.4)97(273-276):265-270 Sep 1962 421 EN86

Experimental insects, Feeding, Hymenoptera, Insect hehavior, Insect traps, Parasitic insects, Plants, Research, Tables (data).

19091-68

CICADA DAMAGE TO YOUNG FRUIT TREES IN LIMBURG.

A Van Frankenhuyzen Horticulturol Abs 38(3):691

Sep 1968 241 IM74

Cicadidae, Fruit, Insect pests, Plant injuries, Trees.

19092-68

INVESTIGATION OF THE VINEYARD BEHAVIOR OF THE LEAFHOPPER SCAPHOIDEUS LITTORALIS IN ITS NATIVE NEARCTIC REGION.

Horticulturol Abs 38(3):691

Sep 1968 241 IM74 Grapes, Insect behavior, Research.

STUDIES ON THE RELATIONS OF INSECTS AND HOST PLANT. II. EFFECTS OF WATER STRESS IN HOST PLANTS ON THE FECUNDI-TY OF MYZUS PERSICAE (SULZ.) AND

BREVICORYNE BRASSICAE (L.). C H Wearning

Nature 213(5080):1052-

11 Mar 1967 472 N21

Aphididae, Brevicoryne brassicae, Fertility, Leaves, Myzus persicae, Plant water relations, Reproduction, Research, Temperature.

RESISTANCE OF ALFALFA VARIETIES TO THE POTATO LEAFHOPPER: SEEDLING SUR-VIVAL AND FIELD DAMAGE AFTER INFES-TATION.

J A Webster E L Sorensen R H Painter

Crop Sci 8(1):15-17 REF

Ian 1968 64 8 C883

Alfalfa, Crop Josses, Crop varieties, Empoasca fabae, Plant pest resistance.

19095-68

THE OCCURRENCE OF ORYZAEPHILUS SU-RINAMENSIS (L.) (COL., SILVANIDAE) ON DRIED CHICORY.

G C Williams

Entomol Mon Mag (SER.4)98(267-9):109

Mar 1962 421 EN86

Chicory, Humidity, Insects, Oryzaephilus surinamensis, Plant injuries, Research, Storage, Temperature.

19096-68

INSECTS OF FIELD CROPS IN N. W. IRAQ.

L K A Yaman S J Jarjes 60(3):387-394,MAP

Oct 1967

Field crops, Insect pests.

NEMATODES

19097-68

RESULTS OF TRIALS ON THE DISINFECTION VINEYARD SOILS IN THE SOUTH OF FRANCE.

D Boubals A Dalmasso

Horticultural Abs 38(3):689

Sep 1968 241 IM74

Grapes, Nematodes, Soil fumigation, Soils.

STEROL COMPOSITION OF THE NE-MATODES DITYLENCHUS TRIFORMIS AND DITYLENCHUS DIPSACI, AND HOST TISSUES. R J Cole L R Krusberg

Exp Parasitol 21(2):232-239 REF

Oct 1967 436 8 FX7

Biochemistry, Cholest-7-en-3heta-ol, 5alpha-, Cholesterol, Chromatography, Ergosterol, Fungi, Plant nematodes, Pyrenochaeta terrestris, Sterols.

Abstract: Total sterol in D. triformis averaged 0.090 and in D. dipsaci 0.060 on a dry weight hasis. Sterol esters averaged 480 of the total sterol in D. triformis and 580 in D. dipsaci.

19099-68

CONTOUR MAPS OF INFESTATION INCIDENCE USEFUL IN EPIZOOTIOLOGY OF SCREW-WORMS, COCILLIOMYIA HOMINIVORAX (COQUEREL).

R B Davis

Ecology 48(6):985-991, MAP, AUTUMN REF

1967 410 EC7

Ecology, Infestation, Injuries, Larvae, Livestock, Maps

VEINBANDING ON TOBACCO IN NORTH FLORIDA.

C E Dean F Clark

Plont Dis Rep 52(11):890-894 REF

Nov 1968 1.9 P69P

Plant injuries, Research, Virus diseases (plants), Virus y (potatoes).

A COMPARISON OF PRATYLENCHUS SPP. (NEMATODA) - POPULATION DENSITIES IN GRASS AND APPLE ROOTS.

O A Egunjobi

Horticultural Abs 38(3):689

Sep 1968 241 IM74

Apples, Grasses, Nematodes, Population statistics, Pratylenchus, Roots.

THE PATHOGENICITY OF DITYLENCHUS DIPSACI TO ALFALFA AND THE RELATION-SHIP OF TEMPERATURE TO PLANT INFEC-TION AND SUSCEPTIBILITY.

G D Griffin

Phytopathology 58(7):929-932 REF

Jul 1968 464.8 P56

Agricultural research, Alfalfa, Ditylenchus dipsaci, Plant anatomy, Plant nematodes, Plant pest resistance, Soil temperature.

19403-68

A METHOD FOR DETECTION AND STUDY OF THE SUGAR-BEET NEMATODE IN SOIL.

E J Hawn

Can Plant Dis Surv 47(3):81-82

Sep 1967 464.9 C16S

Heterodera schachtii, Soils, Sugar beets, Traps.

HISTOPATHOLOGY OF RESISTANT REAC-TIONS IN PEA SEEDLINGS TO TWO POPULA-TIONS OF DITYLENCHUS DIPSACI, (AB-STRACT).

R S Hussey L R Krusberg Phytopathology 58(7):885

Jul 1968 464.8 P56

Ditylenchus dipsaci, Histology, Nematodiasis, Peas, Plant diseases, Plant pest resistance, Seedlings.

19405-68

NEMATOLOGY DEPARTMENT.

F G W Jones

Rothamsted Exp Sta Rep 1967:141-162

1968 103 R74GA

Biochemistry, Biology, Chemical control (ne-matodes), Crops, Nematocides, Nematodes, Crops, Parasitism, Reports, Soils, Tahles (data).

RESPONSES TO POSTPLANTING PREPLANTING SOIL PROPERTY. SOIL FUMIGATION IN CALIFORNIA PEACII, WALNUT, AND PRUNE ORCHARDS.

B F Lownsbery J T Mitchell W H Hart F M Charles M H Gerdts

Plant Dis Rep 52(11):890-894 REF

Nov 1968 1.9 P69P Chemical control (nematodes), Nematodes, Orchidaceae, Peaches, Planting, Prunes, Soil fu-

THE FUSARIUM ROOT ROT COMPLEX OF ZEA MAYS AS AFFECTED BY DIABROTICA LONGICORNIS, THE NORTHERN CORN ROOTWORM, (ABSTRACT).

L T Palmer T Kommedahl

Phytopathology 58(8):1062

migation, Walnuts.

Aug 1968 464.8 P56 Corn, Diahrotica longicornis, Fusarium, Nematodes, Plant protection, Root rot (corn), Roots.

THE HOST-PARASITE RELATIONS AND ECOLOGY OF TRICHODORUS VIRULIFERUS ON APPLE ROOTS, AS OBSERVED FROM AN UNDERGROUND LABORATORY.

R S Pitcher

Horticultural Abs 38(3):689

Sep 1968 241 IM74

Apples, Ecology, Laboratories, Nematodes, Parasitism, Roots, Trichodorus viruliferus.

19109-68

LONGIDORUS RENEYII SP. NOV. (NE-MATODA: LONGIDORIDAE) FROM.

R Raina

Indian J Entomol 28(4):438-441

Dec 1966 420 IN23

Corn, Longidoridae, Longidorus reneyii, Plant nematodes.

19110-68

CONTRIBUTION TO THE EVALUATION OF BIOLOGICAL ACTIVITY OF NEMATICIDES ON CYSTFORMING PLANT NEMATODES-LABORATORY METHODS. (CZ)

A Saly

Agrochemia 8(4):50-52

1968 385 AG88

Biology, Chemical control (pests), Cysts, Nematocides, Plant protection. English summary.

19111-68

ENZYME LOCALIZATION IN LEE SOYBEANS INFECTED WITH THE ROOT KNOT NE-MATODE, MELOIDOGYNE INCOGNITA ACRITA. (ABSTRACT).

J A Veech B Y Endo

Phytopathology 58(8):1070

Aug 1968 464.8 P56

Enzymes, Meloidogyne incognita acrita, Nematodes, Plant translocation, Roots, Soybeans.

19112-68

BIOLOGY OF THE PSEUDO ROOT KNOT NE-MATODE HYPSOPERINE OTTERSONI.

A J Webber K R Barker

Phytopathology 57(7):723-728 REF

Jul 1967 464.8 P56

Barley, Biology, Food plants, Hypsoperine ottersoni, Phalaris arundinacea, Plant nematodes, Soil temperature.

Abstract

19113-68

EFFECTS OF TEMPERATURE AND INCUBA-TION PERIOD ON THE EXPRESSION OF RE-SISTANCE TO STEM NEMATODE IN ALFAL-FA.

J C Wynne T H Busbice

Crop Sci 8(2):179-183

Mar 1968 64.8 C883

Alfalfa, Crop varieties, Ditylenchus dipsaci, Plant nematode resistance, Temperature, Time.

Abstract: At 10, 17, 24 days after inoculation, resistant cultivars contained fewer eggs and fewer nematodes per plant and showed less swelling at the cotyledonary node than susceptible cultivars. Nematodes penetrated resistant and susceptible plants in equal numbers; resistance resulted from the failure of nematodes to reproduce once they entered the plant. Best temperature for nematode reproduction was 19 °C.

WEEDS

19114-68

SOME OBSERVATIONS ON TORDON-2,4-D HERBICIDE COMBINATIONS,

H P Alley

Down Earth 23(1,SUMMER):2,35

1967 381 D75

D, 2,4-, Delphinium geyeri, Gutierrezia sarothrae, Herbicides, Pesticide mixtures, Picloram.

19115-68

A PRELIMINARY ASSESSMENT OF HERBI-CIDES AND DEFOLIATION.

Anonymous

Environ Sci Technol 2(3):176-180

Mar 1968 T0D420.0A10E5

Defoliants, Dosage, Herhicides, Pesticide application, Time,

19116-68

NEW HERBICIDES CONTAINING NITROGEN. (CZ.)

J A Baskakov

Agrochemia 8(1):18-20

1968 385 AG88

Chemical control (weeds), Crop yields, Herbicides, Nitrogen, Potatoes, Vegetables, Weeds.

19117-69

CONTROLLING WEEDS IN TOBACCO WITH BENEFIN.

A D Doyle

Agr Gaz New S Wales 79(8):456-459

Aug 1968 23 N472

Benefin, Biochemistry, Chemical control (weeds), Crop rotation, Crops, Economics, Herbicides, Pesticide application, Research, Spraying, Tillage, Tobacco.

19118-68

PARAQUAT-SURFACTANT COMBINATIONS FOR CONTROL OF DOWNEY BROME.

R A Evans R E Eckert

Weeds 13(2):150-151

Apr 1965 79.8 W41

Bromus tectorum, Chemical control (weeds), Herbicides, Paraquat, Surface-active agents.

19119-68

FUMIGATION OF SHALLOT SEED WITH METHYL BROMIDE TO CONTROL STEM EELWORM, DITYLENCHUS DIPSACI.

N G M Hague

Plant Pathol 17(3):127-128

Sep 1968 464.8 P692

Ditylenchus dipsaci, Fumigation, Methyl bromide, Plant pest control, Seeds, Shallots.

19120-68

THE NATURE, ECOLOGY, AND CONTROL OF CANADA THISTLE.

J M Hodgson

USDA Tech Bull 1386:32 P. REF

Apr 1968 1 AG840TE

Biochemistry, Carbohydrates, Chemical control (wccds), Cirsium arvense, Crop rotation, Plant ecology, Roots, Seed germination, Tables (data), Tillage, Weeds.

19121-68

RECOMMENDATIONS FOR WEED CONTROL IN CEREAL CROPS.

B H Hyde-Wyatt

Tasmanian J Agr 39(3):245-250

Aug 1968 23 T182T

Crop yields, Grain, Herbicides, Research, Spraying equipment, Weed control, Weeds.

19122-68

WEED SEED LABELLING WITH RARE EARTH ELEMENTS. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSI-UM VIENNA 25-29 OCTOBER 1965. S589. S9.

A Kloke K Riebartsch

165-171 INTERNATIONAL ATOMIC ENERGY AGENCY

1966

Dysprosium, Europium, Herbicides, Isotopes, Lanthanum, Radioactive tracers, Rare earths, Seeds, Weeds.

Abstract

19123-68

AQUATIC HERBICIDAL METHODS. PATENT 3,376,127.

W C McConnell H W Rahn

Us Patent Office Offic Gaz 849(1):165

02 Apr 1968 156.65 OF2

Aquatic weeds, Azides, Chemical control (weeds), Herbicides, Patents, Potassium azide, Rice.

19124-68

POST-SURFACE CONTROL OF BERMU-DAGRASS ON HIGHWAY SHOULDER PAVE-MENTS.

W G McCully W J Bowmer R S Rodman Down Earth 23(1, SUMMER):13-17

Down Eorth 23(1, SUMMER):13-17 1967-381-575

1967 381 D75

Chemical control (weeds), Cynodon daetylon, Herhieides, Pavements, Roads, Sodium trichloroacetate.

19125-68

CONTROL OF HAWAIIAN JUNGLE WITH AERIALLY APPLIED HERBICIDE.

P S Motooka D F Saiki D L Plucknett O R Younge R E Daehler

Down Earth 23(1, SUMMER):18-22

1967 381 D75

Aerial spraying, Chemical control (weeds), Dicamba, Esteron, Herbicides, Kuron, Paraquat, Pesticide residues, Picloram 101 mixture.

19126-68

SOME INTERESTING FUNGI OF INDIA.

T R Nag Raj K M Ponnappa

Commonweolth Inst Biol Contr Tech Bull 9:31-43 Oct 1967 423.92 C733T

Aquatic weeds, Biological control (weeds), Eichornia crassipes, Fungus diseases (plants), Surveys. Potential biological control agents of aquatic weeds.

Abstract

19127-68

CHEMICAL CONTROL OF AN OLD STAND OF CHAPARRAL TO INCREASE RANGE PRODUCTIVITY.

C A Perry C M McKell J R Goodini T M Little

J Ronge Manage 20(3):166-169 May 1967 60.18 J82

Adenostoma, Brush control, Ceanothus, Chaparral, Chemical control (weeds), Herbicides, Ranges, Spraying.

19128-68

STUDIES ON ERGOT OF WHEAT: CLAVICEPS PURPUREA (FR.) TUL. (FR

F Rapilly

Ann Epiphyt 19(2):305-329 REF

1968 464.9 F84AN

Claviceps purpurea, Correlation, Humidity, Morphology, Research, Seed germination, Wheat. English summary.

19129-68

GANIC MATTER, SOIL TYPE, AND SELECTIVE HERBICIDES ON SEEDLINGS OF DOWNY BROME.

W C Robocker C L Canode

Weeds 13(1):8-10

Jan 1965 79.8 W41

Bromus tectorum, Chemical control (weeds), Herbicides, Seedlings, Soil series.

10130 (

19130-68
DISTRIBUTION OF PLANT-PARASITIC NE-MATODES ASSOCIATED WITH FOREST TREES OF THE WORLD. AQL391.0N40R8,

J L Ruchle

156P. REF NORTH CAROLINA, V. S. DEPT. OF AGRICULTURE
May 1967

Forests, Nematodes, Parasitism, Plants, Tahles (data), Trees, World agricultural situation, Zoogeography.

19131-68

HERBICIDAL METHOD EMPLOYING TRIHALOTHIONOACETAMIDES, PATENT 3,389,985.

L R Smith A J Speziale

Us Patent Office Offic Goz 851(4):1063

25 Jun 1968 156.65 OF2

19132-68

Herbicides, Patents

19132-68 CHEMICAL WEED CONTROL HANDBOOK. SB95 LW 32.

G Swan

198 P. BASHINGTON STATE UNIVERSITY

Apr 1968

Chemical control (weeds), Crops, Fruit, Herbicides, Pastures, Soils, Vegetables, Weeds.

19133-68

INVESTIGATIONS ON WEED CONTROL IN MAIZE BY HERBICIDES AND MECHANICAL CULTIVATION WITH SPECIAL EMPHASIS OF THEIR SUBSEQUENT ACTION IN THE ROTATION OF CROPS. FINAL TECHNICAL RE-PORT, 1962-1967, SB611.0S9,

B Swietocbonski

S4P. REF

1967

Biochemistry, Chemical control (weeds), Corn, Crop rotation, Herbicides, Reports, Research, Tahles (data), Tillage

OTHER PESTS

HELICOPTER APPLIES BIRD REPELLENT SEEDS.

Anonymous

Aerial Appl 5(11):12

Nov 1967 333.8 AE8

Aerial pest control, Bird control, Helicopters, Insect repellents, Pinus radiata, Seed treatment, Thiram.

19135-68

DAMAGE TO THE FLOWERS OF FRUIT TREES BY BIRDS,

GHL Dicker

Horticultural Abs 38(3):693

Sep 1968 241 IM74

Birds, Flowers, Fruit, Plant injuries.

19136-68

AVERTING VINEYARDS. DAMAGE IN STARLING

Z Horanszky

Horticultural Abs 38(3):694

Sep 1968 241 IM74

Grapes, Plant injuries, Starlings.

LAND AND FRESHWATER SNAILS FROM THE GREENHOUSE OF THE BERLIN-DAHLEM BOTANICAL GARDENS. (GE)

S H Jaeckel H P Plate

Z Angew Zool 54(3):361-371

1967 449.8 Z36

Snails. English and German summaries

Abstract, 17 species were found, 12 of them land, 5 of them freshwater, 22 other. All species are to be examined.

19138-68

SCARING STARLINGS IN CHERRY AND VINE PLANTINGS.

E Keller

Horticultural Abs 38(3):694

Sep 1968 241 IM74

Cherries, Grapes, Plant injuries, Starlings.

19139-68

DROP OF MATURING APPLES ASSOCIATED WITH BIRD FEEDING,

L A Mitterling J J Lucas

Horticultural Abs 38(3).693-694

Sep 1968 241 IM74

Apples, Birds, Feeding, Plant injuries.

THE PRESENT PROBLEM OF SMALL RODENTS. H. DAMAGE CAUSED BY VOLES AND METHODS OF PREVENTING THIS.

A Stenmark

Horticultural Abs 38(3):694 Sep 1968 241 IM74

Field mice, Plant injuries, Rodents.

LIVESTOCK PROTECTION

EFFECT OF ENVIRONMENTAL CONDITIONS ON FORMATION AND RELEASE OF CANINE HERPESVIRUS IN INFECTED CANINE KID-NEY CELLS.

Laure Aurelian

Amer J Vet Res 29(10):1945-1952

Oct 1968 41.8 AM3A

Canine herpesvirus, Culture media, Dogs, Environment, Kidneys, Viruses.

19142-68

DINITROPHENOL DECREASES THE RADIA-TION SENSITIVITY OF L CELLS.

G V Dalrymple J L Sanders M L Baker Nature 216(5116):708-709

18 Nov 1967 472 N21

Adenosine triphosphates, Biochemistry, Cattle, Cells, Dinitrophenol, 2,4-, Dosage, Radiation, Research, Serum, Toxicology.

19143-68

FIBRINOGEN CONTONT AND FIBRINOLYTIC ACTIVITY OF PLASMA FROM DOGS INFECTED WITH LEPTOSPIRA CANICOLA.

D R Finco D G Low

Amer J Vet Res 29(10):2037-2040 REF

Oct 1968 41.8 AM3A

Animal physiology, Dogs, Blood plasma, Fibrinogen, Injections, Leptospira canicola.

10144.68

STUDY OF PESTICIDES IN SHELLFISH AND ESTUARINE AREAS OF LOUISIANA. SH153.0S8.

R J Hammerstrom R T Russell R M Tyo E A Robertson J L Gaines

26 P. OHIO, U. S. PUBLIC HEALTH SERVICE. 1967

Chemicals, Environment, Laboratories, Pesticides, Research, Shellfish, Water.

19145-68

ANTIBIOTICS, USE IN ANIMALS.

J K Kirk

Fed Regist 33(164):11908

22 Aug 1968 L1.451

Animals, Antibiotics, Drug therapy, Food, Medicine, Penicillin, Streptomycin.

19146-68

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE CALCIUM PERIODATE.

J K Kirk

Fed Regist 33(203):15457

17 Oct 1968 L1.451

Animals, Calcium, Drug therapy, Feed, Food additives, Iodine, Periodates, Sodium chloride.

AQUATHOL-PLUS, A NEW HERBICIDE AND ITS ACTION ON FISH AND FISH FOOD OR-GANISMS, (GE)

D Ludemann

Z Angew Zool 54(3):435-436

1967 449.8 Z36

Chironomidae, Fish, Fish conservation, Herbicides.

PESTICIDE-INDUCED ENZYME BREAKDOWN OF STEROIDS IN BIRDS.

D B Peakall

Nature 216(5114):505

04 Nov 1968 472 N21

Biochemistry, Birds, Chromatography, Dieldrin, DDT, Enzymes, Metabolism, Pesticides, Pigeons, Population, Steroids.

19149.68

ORGANOCHLORINE RESIDUES IN MARINE ORGANISMS.

J Robinson A Richardson A N Crabtree J C Coulson G R Potts

Nature 214(5095):1307-1311 REF

24 Jun 1967 472 N21

Aquatic animals, Breeding, Chemicals, Environment, Insecticide residues, Marine biology, Organic compounds, Research, Tables (data).

19150-68

PRODUCTION OF PLANT VIRUS ANTISERUM IN A HORSE.

Z Sabar T A Shalla

Plant Dis Rep 52(11):860-862

Nov 1968 1.9 P69P

Blood serum, Horses, Immunization, Injections, Mosaic (tohacco), Research.

DISEASES

19151-68

NONSPECIFICITY OF FLUORESCENT-AN-TIBODY TEST FOR DISTINGUISHING HOG CHOLERA VIRUS STRAINS.

J M Aiken K H Hoopes M B Rhodes M J Twichaus

Amer Vet Med Ass J 150(1):59-61 REF

01 Jan 1967 41.8 AM3

Fluorescent antibody technic, Hog cholera virus,

Abstract: Fluorescein-labeled immune globulins were prepared for 6 strains of attenuated and 2 strains of virulent hog cholera virus and crosstested against each of the 8 strains using the Nebraska fluorescent-antibody technic. Heterologous strains could not be distinguished from homologous strains. Distribution of positive cells in tonsils from pigs infected with virulent HC virus was distinctly different from that found in tonsils of pigs infected with attenuated HC virus.

19152-68

TECHNICS FOR THE ISOLATION OF MYCOPLASMA FROM CATTLE.

J M Al-aubaidi J Fahricant

Cornell Vet 58(4):555-571 REF

Oct 1968 41.8 C81 Body fluids, Cattle, Culture media, Methodology, Mycoplasma.

THE BLOOD PRESSURE IN CANINE IN-TERSTITIAL NEPHRITES.

L J Anderson E W Fisher

Res Vet Sci 9(4):304-313 REF

Jul 1968 41.8 R312 Animal diseases, Animal histology, Arteries, Biochemistry, Blood pressure, Dogs, Hypertension,

Measurement, Nephritis, Serological tests.

19154-68

INTERSTATE TRANSPORTATION ANIMALS AND POULTRY, DUCK VIRUS EN-TERITIS (DUCK PLAGUE). INTERSTATE MOVEMENT,

R J Anderson

Fed Regist 33(164):11899

22 Aug 1968 L1.451

Animal quarantine, Aquatic birds, Ducks, Enteritis, Virus diseases (animals), Zoogeography.

19155-68 VIRUSES, AND SERUMS. TOXINS. ANALOGOUS PRODUCTS, LABELS.

R J Anderson Fed Regist 33(163):11837-11839

21 Aug 1968 L1.451

Animals, Laheling, Meat, Toxins, Viruses.

MOLDY CORN POISONING AS THE MAJOR CAUSE OF AN ENCEPHALOMALACIA SYN-DROME IN EGYPTIAN EQUIDAE.

L Badiali M Abou-youssef A l Radwan F M Hamdy P K Hildebrandt

Amer J Vet Res 29(10):2029-2035 REF

Oct 1968 41.8 AM3A

Asses, Corn, Encephalomalacia, Epizootic diseases, Leukocytes, Livestock diseases, Molds.

19157-68

CHANGES OF THE VIRULENT PROPERTIES OF SALMONELLA IN INTRACELLULAR MULTIPLICATION IN VITRO. (RUS)

V M Bondarenko

Zhur Mikrobiol Epidemiol Immunobiol 1(0):130-135 REF

1968 448.3 Z4

Biochemistry, Culture media, Cytology, Dosage, Mice, Salmonella, Serological tests, Virulence. Summary in English

19158-68

SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. II. COMPARISON OF INTERFERENCE BY ACTIVE AND INACTIVE VIRUS.

M A Bratt H Rubin

Virology 35(3):381-394 REF

Jul 1968 448.8 V81

Assay, Cells, Chick embryos, Hemagglutination, Interference phenomenon, Kinetics, Newcastle disease virus, Research, Temperature, Time, Tissue culture, Ultraviolet rays, Virus diseases (animals).

19159-68

SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. III. MECHANISMS OF INTERFERENCE.

M A Bratt H Rubin

Virology 35(3):395-407 REF

Jul 1968 448.8 V81

Adsorption, Antibodies, Assay, Cells, Chick embryos, Interference phenomenon, Newcastle disease virus, Rescarch, Temperature, Tissue culture, Virus diseases (animals).

19160-68

EXAMINATION OF CUCUMBER SEED FOR MYCOSPHAERELLA MELONIS.

M E Brown T F Preece

Plant Pathol 17(3):116-118

Sep 1968 464.8 P692

Agricultural research, Cucumbers, Fungus diseases (plants), Injections, Mycosphaerella melonis, Seedborne plant diseases, Seeds.

19161-68

TOBACCO STREAK VIRUS IN DAHLIAS.

A A Brunt

Plant Pathol 17(3):119-122 REF

Sep 1968 464.8 P692

Chenopodium amaranticolor, Chenopodium murale, Chenopodium quinoa, Dahlia, Research, Streak (tobacco), Tobacco, Virus diseases (plants), Viruses.

19162-68

ALEUTIAN DISEASE GAMMOPATHY OF MINK INDUCED WITH AN ULTRAFILTRABLE AGENT.

L Buko A J Kenyon

Nature 216(5110):69-70 REF

07 Oct 1967 472 N21

Aleutian disease, Animal diseases, Biochemistry, Filters, Minks, Research.

19163-68

A PRELIMINARY REPORT ON THE FINDING OF BESNOITIA BESNOITI IN GOAT SKINS AFFECTED WITH DIMPLE IN KENYA.

O Bwangamoi

Bull Epizoot Dis Afr 15(3):263-271

Sep 1967 41.8 B872

Goats, Protozoa, Skin diseases.

Abstract: Examination revealed: demodicosis, ringworm caused by Trichophyton specis, scurf, streptothricosis, goatpox, besnoitia cysts within lesions of dimple, lice, sarcocystosis, and acute and chronic dermatitis of undetermined actiology. 19164-68

TRYPTOPHAN-INDUCED INTERSTITIAL PUL-MONARY EMPHYSEMA IN CAT TLE.

J R Carlson I A Dyer R J Johnson Amer J Vet Res 29(10):1983-1989 REF

Oct 1968 41.8 AM3A

Animal metabolism, Blood plasma, Cattle, Pulmonary emphysema, Rumen, Tryptophan.

19165-68

CHARACTERISTICS OF A NEWLY-RECOGNIZED SPECIES OF BRUCELLA RESPONSIBLE FOR INFECTIOUS CANINE ABORTIONS.

L E Carmichael D W Bruner

Cornell Vet 58(4):579-592 REF

Oct 1968 41.8 C81

Brucella canis, Chromatography, Dogs, Pregnancy, Research, Taxonomy.

19166-68

EFFECT OF IMMUNIZATION ON SERUM PROTEIN LEVELS IN THE HORSE.

J R Coffman C M Hibbs

Cornell Vet 58(4):572-578

Oct 1968 41.8 C81

Beta globulins, Blood proteins, Gamma globulins, Horses, Immunization, Livestock diseases, Pest control, Salmonella typhimurium.

19167-68

STUDIES WITH HINDE ATTENUATED AFRICAN SWINE FEVER VIRUS.

L Coggins J E Moulton G S Colgrove Cornell Vet 58(4):525-540 REF

Oct 1968 41.8 C81

African swine fever virus, Agricultural research, Antibodies, Edema, Immunization, Livestock diseases. Necrosis. Swine.

19168-68

SOME VETERINARY AND HUMAN ASPECTS OF HISTOPLASMOSIS.

L L Cooper

Kansas Vet 24(3):11-13

May 1968 41.9 K1330B

Animal diseases, Histoplasma capsulatum, Histoplasmosis, Human diseases, Microscopy, Research, Veterinary medicine.

19169-68

EFFECT OF CONTINUOUS FEEDING OF AFLATOXIN TO CHICKENS.

G J Cottier Ch Moore U L Diener N D Davis

Highlights 15(3):7 FALL

1968 100 AL1H

Aflatoxin, Animal nutrition, Chickens, Eggs, Feeding, Laboratory animals, Mortality, Research.

19170-68

OBSERVATIONS ON INCLUSION BODIES IN PIG KIDNEY TISSUE CULTURE CELLS INFECTED WITH PORCINE ADENOVIRUSES.

J B Derbyshire R L Chandler K Smith

Res Vet Sci 9(4):300-303 REF

Jul 1968 41.8 R312

Adenoviruses, Cells, Cytology, Electron microscopy, Inclusion bodies, Kidneys, Research, Serological tests, Swine, Tissue culture.

19171-68

TOXICITY STUDIES OF LISTERIA MONO-CYTOGENES GROWN IN VIVO.

R A DiCapua J W Osebold K R Stone Amer J Vet Res 29(10):2023-2028 REF Oct 1968 41.8 AM3A

Bacteria, Culture media, Dialysis, Listeria monocytogenes, Livestock diseases, Mice, Toxicology.

19172-68

IMMUNIZATION AGAINST EQUINE VIRAL ARTERITIS USING MODIFIED LIVE VIRUS PROPAGATED IN CELL CULTURES OF RABBIT KIDNEY.

E R Doll J T Bryans J C Wilson W H McCollum Cornell Vet 58(4):497-524

Oct 1968 41.8 C81

Cells, Culture media, Horses, Immunization, Kidneys, Livestock diseases, Rabbits, Viral vaccines.

19173.68

CARBON-14 MILK CONSTITUENTS FROM COWS FED CARBAMATE LABELED WITH CARBON-14 ON THE CARBONYL.

H W Dorough G W Ivie

Science 159(3816):732-733

16 Feb 1968 470 SC12

Animal physiology, Biological assay, Carbamates, Carbon, Carbonyl group, Cattle, Isotopes, Pesticides.

19174-68

PROTEINS OF ROUS SARCOMA VIRUS.

P H Duesberg H L Robinson W S Robinson R J Huebner H C Turner Virology 36(1):73-86 REF

Sep 1968 448.8 V81

Amino acids, Antigens, Avian leukosis complex viruses, Avian myeloblastosis virus, Electrophoresis, Phenols, Proteins, Radioactivity, Rous associated viruses, Rous sarcoma virus, Virus diseases (animals).

19175-68

METHOD OF AMELIORATING THE EFFECTS OF AND PREVENTING INFLUENZA INFEC-TIONS. PATENT 3,376,196.

G L Dunn

Us Patent Office Offic Gaz 849(1):178

02 Apr 1968 156.65 OF2

Drugs, Influenza, Methylcyclohexanemethylamine, alpha-, Mice, Patents, Virucides.

19176-68

LEPTOSPIRA ANTIBODY FORMATION BY PORCINE FOETUSES.

K L Fennestad C Borg-Petersen E Brummerstedt Res Vet Sci 9(4):378-380

Jul 1968 41.8 R312

Antibodies, Assay, Culture media, Electrophoresis, Fetal death, Globulins, Immunology, Injections, Leptospira, Livestock diseases, Pregnancy, Scrological tests, Swine.

19177-68

BOVINE KERATITIS DUE TO AVITAMINOSIS A IN YOUNG STOCK.

N Firon

Refualt Vet 24(2):90-89

Jun 1967 41.8 R25

Animal nutrition, Avitaminosis, Cattle, Deficiency diseases, Diet, Keratitis, Vitamin a.

19178-68

NATURE OF SCRAPIE AGENT.

R A Gibbons G D Hunter

Nature 215(5105):1041-1043 REF

02 Sep 1967 472 N21

Animal diseases, Drug therapy, Nucleic acids, Proteins, Reproduction, Research, Scrapic,

19179-68

ABNORMALITIES IN THE ELECTROCARDIO-GRAMS OF YOUNG SHEEP AND LAMBS GRAZING NATURAL PASTURES LOW IN SELENIUM.

K O Godwin

Nature 217(5135):1275

30 Mar 1968 472 N21

Agricultural research, Animal abnormalities, Deficiency diseases, Electrocardiograms, Hepatoma, Muscular dystrophy, Necrosis, Selenium, Sheep, White muscle disease.

19180-68

INHIBITION OF MULTIPLICATION OF FOOT AND MOUTH DISEASE VIRUS IN ADULT MICE PRETREATED WITH FREUND'S COMPLETE ADJUVANT.

D S Gorhe

Nature 216(5121):1242-1244 REF 23 Dec 1967 472 N21

BIBLIOGRAPHY

19181-68

Animal diseases, Blood, Bordetella pertussis, Footand-mouth disease virus, Mice, Mycobacterium tu-

19181-68

ISOLATION OF T-STRAINS THE MYCOPLASMA FROM PNEUMONIC CALF LUNGS.

R N Gourlay

Res Vet Sci 9(4):376-378

Jul 1968 41.8 R312

Cattle, Culture media, Livestock diseases, Lungs, Mycoplasmosis, Pneumonia, Research.

19182-68

ENVIRONMENTAL SCIENCE RESEARCH. SB959.0G8.

55 P.

17 Aug 1967

Animal physiology, Chemicals, Environment, Research, Science.

THE CATTLE PEST. SF966.0J3. (fr.)

H Jacotot Mornet

174P. REF

1967

Anatomy, Cattle, Livestock diseases, Therapeutics, Virology, Virus diseases (animals).

FISH: SEROLOGIC EVIDENCE OF INFECTION WITH HUMAN PATHOGENS.

W A Janssen C D Meyers

Science 159(3814):547-548

02 Feb 1968 470 SC12

Animal diseases, Antibodies, Fish, Human diseases, Serological tests.

IDENTITY OF FELINE ATAXIA VIRUS WITH FELINE PANLGUCOPENIA VIRUS.

R H Johnson G Margolis L Kilham

Nature 214(5084):174-177 REF

08 Apr 1967 472 N21

Animal diseases, Cats, Feline infectious enteritis, Microbiology, Research.

INVESTIGATIONS ON TRICHINELLOSIS REFERENCE WITH SPECIAL EPIDEMIOLOGY, IMMUNODIAGNOSIS, HOST-PARASITE RELATIONSHIPS, CLINICAL AND THERAPEUTIC ASPECTS. FINAL REPORT. RC186.T815K6.

Z Kozar

49 P.

15 Aug 1967

Diagnosis, Epidemiology, Epizootic diseases, Immunology, Parasitism. Reports, Research, Therapeutics, Trichinosis.

19187-68

THE AFRICAN SWINE PEST, SF977,0A40L8. (fr)

A Lucas J Haag B Larenaudie

119P. REF

1967

Anatomy, Diagnosis, Hog cholera, Livestock diseases, Swine, Therapeutics.

VASOPRESSINS AND THE INCREASE OF WATER AND ELECTROLYTE EXCRETION BY SHEEP, CATTLE, AND CAMELS.

W V Macfarlane R Kinne C M Walmsley B D Siebert D Peter

Nature 214(5092):979-981 REF

03 Jun 1967 472 N21

Arginine, Camels, Cattle, Kidneys, Lysine, Potassium, Sheep, Vasopressin.

CAUDAL WEAKNESS AND ATAXIA IN CATTLE IN THE CARIBBEAN AREA FOLLOWING INGESTION OF CYCADS.

M M Mason M G Whiting

Cornell Vet 58(4):541-554 REF MAP

Oct 1968 41.8 C81

Ataxia, Cattle, Livestock diseases, Spinal cord.

INFLUENZA IN ANIMALS.

J L McQueen J H Steele R Q Robinson

Advances Vet Sci 12:239-284 REF

1968 41.8 AD9

Influenza, Livestock diseases, Reviews. Bibliography, p.322-336

PORCINE POLIOENCEPHALOMYELITIDES.

J H L Mills S W Nielsen

Advances Vet Sci 12:33-104 REF

1968 41.8 AD9

Porcine enteroviruses, Reviews, Swine, Teschen disease, Bibliography, p.84-104

FOLLOW-UP OF A SURVEY ON THE PREVALENCE OF HOMIDIUM-RESISTANT STRAINS OF TRYPANOSOMES IN CATTLE IN NORTHERN NIGERIA AND DRUG CROSS-RE-SISTANCE TESTS ON THE STRAINS WITH SAMORIN AND BERENIL.

B K Na'lsa

Bull Epizoot Dis Afr 15(3):231-241,MAP

Sep 1967 41.8 B872

Berenil, Cattle, Glossina, Insecticide resistant insects, Trypanosoma congolense, Trypanosomiasis.

THE FINE STRUCTURE OF VESICULAR STO-MATITIS VIRUS.

T Nakai A F Howatson

Virology 35(2):268-281 REF

Jun 1968 448.8 V81

Electron microscopy, Molecular weight, Nucleic acids, Nucleoproteins, Research, Ribonucleic acid, Vesicular stomatitis virus, Virus diseases (animals).

KINETICS OF CELLULAR AND VIRAL DNA SYNTHESIS IN EQUINE ABORTION (HERPES) VIRUS INFECTION OF L-M CELLS.

D J O'Callaghan N P Cheevers G A Gentry C C Randall

Virology 36(1):104-114 REF

Sep 1968 448.8 V81

Abortion, Cells, Centrifugation, Chromatography, Culture media, Deoxyribonucleic acid, Dna viruses, Herpesviruses, Kinetics, Research, Virus discases (animals).

19195-68

NEOPLASMS OF THE CANINE AND FELINE URINARY BLADDER: INCIDENCE, ETIOLOG-IC FACTORS, OCC PATHOLOGIC FEATURES. OCCURRENCE AND

C A Osbornc D G Low V Perman D M Barnes Amer J Vet Res 29(10):2041-2055 REF

Oct 1968 41.8 AM3A

Animal diseases, Bladder, Carcinoma, Cats, Dogs, Neoplasms, Papilloma.

19196-68

INFECTIOUS BOVINE RHINOTRACAGITIS: CORRELATION OF FETAL AND PLACENTAL LESIONS WITH VIRAL ISOLATIONS.

N V Owen T L Chow J A Molello Amer J Vet Res 29(10):1959-1965

Oct 1968 41.8 AM3A

Cattle, Embryos, Infectious bovine rhinotracheitis virus, Kidneys, Placenta.

19197-68

INFECTIOUS BOVINE RHINOTRACHEITIS RELATIONSHIP OF LEVEL OF MATERNAL ANTIBODY TITER TO INCIDENCE OF FETAL DEATH AND ABORTION.

N V Owen T L Chow J A Molello Amer J Vet Res 29(10):1967-1970

Oct 1968 41.8 AM3A

Abortion, Antibodies, Cattle, Fetal death, Infectious bovine rhinotracheitis virus, Livestock diseases, Pregnancy.

19198.68

THE CHEDIAK-HIGASHI SYNDROME.

G A Padgett

Advances Vet Sci 12:239-284 REF

1968 41.8 AD9

Cattle, Chediak-Steinbrinck-Higashi syndrome, Hereditary diseases, Humans, Infectious diseases, Livestock diseases, Minks, Reviews. Bibliography, p.278-284

19199-68

AN ELECTROPHORETIC STUDY OF SERUM GLYCOPROTEINS IN CLINICAL JOHNE'S DIS-EASE OF CATTLE.

D S P Patterson D Sweasey

Res Vet Sci 9(4):319-323

Jul 1968 41.8 R312

Assay, Carbohydrates, Cattle, Diagnosis, Electrophoresis, Glohulins, Glycoproteins, Hexoses, Johne's disease, Livestock diseases, Research, Serum, Tissues.

KERATOCONTUNCTIVITIS PRODUCED BY MORAXELLA BOVIS IN LABORATORY ANIMALS.

G W Pugh D E Hughes T J McDonald Amer J Vet Res 29(10):2057-2061 REF

Oct 1968 41.8 AM3A

Animal diseases, Conjunctivitis, Eyes, Keratitis, Keratoconjunctivitis, Laboratory animals, Moraxella bovis. Laboratory animals were: sheep, rabbits, rats, guinea pigs, and mice

19201-68

PHYSIOPATHOLOGY THE DERNOURISHMENT IN PREGNANT SHEEP, WITH PARTICULAR PREGNANCY TOXEMIA. REFERENCE

R L Reid

Advances Vet Sci 12:163-238 REF

1968 41.8 AD9

Animal physiology, Deficiency diseases, Pregnancy disease, Reviews, Sheep. Bibliography, p.226-238

19202-68

THE HEMOSTATIC MECHANISM OF MAM-MALS AND BIRDS IN HEALTH AND DISEASE. H C Rowsell

Advances Vet Sci 12:337-410 REF

1968 41.8 AD9

Animal diseases, Birds, Hemostasis, Mammals, Reviews. Bihliography, p.397-410

19203-68

DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, SPECIFICALLY APPROVED STOCKYARDS, SLAUGHTERING STOCKYARDS AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCELLOSIS AREAS.

E E Saulmon

Fed Regist 33(192):14700

02 Oct 1968 L1.451

Brucellosis, Livestock diseases, Slaughterhouses, Stockyards.

FREE AMINO-ACIDS OF BLOOD PLASMA AND ERYTHROCYTES OF NORMAL DUCKS AND DUCKS INFECTED WITH MALARIAL PARASITE, PLASMODIUM LOPHURAE.

W A Siddiqui W Trager

Nature 214(5092):1046-1047

03 Jun 1967 472 N21 Amino acids, Avian malaria, Blood plasma, Ducks, Erythrocytes, Parasitism, Plasmodium lophurae.

19205-68

BEDSONIA ABORTION OF SHEEP, III. IMMU-NOLOGICAL STUDIES.

M J Studdert D G Mckercher Res Vet Sci 9(4):331-336 REF

Jul 1968 41.8 R312 Abortion, Antibodies, Antigens, Bedsonia virus, Dosage, Immunity, Immunology, Research, Sheep, Vaccines, Virus diseases (animals).

19206-68

IMMUNOLOGIC STUDIES ON THREE RAM EPIDIDYMITIS BACTERINS.

B L Swift L R Maki

Cornell Vet 58(4):659-665 REF

Oct 1968 41.8 C81

Bacterins, Epididymis, Immunization, Livestock diseases, Rams.

COMPOSITIONS AND METHODS FOR MODI-FYING LING COCCIDIOSIS IN POULTRY. PATENT 3,382,148.

Us Patent Office Offic Gaz 850(1):241

07 May 1968 156.65 OF2

Coccidiosis, Patents, Poultry, Sulfanilamido-2,6dimethoxypyrimidine, 4-.

IMMUNOLOGICAL STRAIN DIFFERENCES OF BOVINE TICK-BORNE FEVER AGENTS.

I Tuomi

Acta Virol 12(1):83-86

Jan 1968 448.3 AC85

Cattle, Immunology, Ixodes ricinus, Piroplasmosis, Sheep.

19209-68

DETECTION OF OR ORNITHOSIS IN THE WESTERN URALS. GOROVITZ, E S. (rus)

V P Vtyurin

Zhur Mikrobiol Epidemiol Immunobiol 1(0):140-141

1968 448.3 Z4

Birds, Ornithosis, Virus diseases (animals).

19210-68

A STUDY OF THE HETEROGENEOUS 37S RIBONUCLEIC ACID INDUCED BY FOOT-AND-MOUTH-DISEASE VIRUS.

T F Wild S J Martin F Brown

Biochem J 107(3):395-401 REF

Apr 1968 382 B52

Biochemistry, Hamsters, Kidneys, Ribonucleic acid, Tissue culture.

Abstract: 1. The 37s RNA induced in baby-hamster kidney cells by infection with foot-and-mouth-discase virus was examined on sucrose gradients and by filtration through Sepharose 4B. 2. The RNA sedimented faster (37s) and as a broader band than the 35s RNA from purified virus. 3. Treatment with deoxyribonuclease, Pronase or amylase did not alter the sedimentation profile of the 37s RNA. 4. Treatment of individual fractions of the RNA with phenol, dimethyl sulphoxide or methylCellosolve did not decrease the sedimentation rate of the faster-sedimenting molecules. 5. Sedimentation in sucrose gradients of different ionic strengths or containing EDTA had no effect on the heterogeneous nature of the profile. 6. On filtration through Sepharose 4B columns, the 37s virus-induced RNA was eluted before viral RNA. 7. Only 20 percent of the rapidly sedimenting RNA was incorporated into complete virus particles.

EXPERIMENTAL HERPES VIRUS INFECTION IN YOUNG PUPPIES.

N G Wright H J C Cornwell

Res Vet Sci 9(4):295-299

Jul 1968 41.8 R312

Animal histology, Antigens, Dogs, Herpesviruses, Inclusion bodies, Injections, Lahoratory animals, Mortality, Research, Virus diseases (animals).

19212-68

FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER. IV. THE OCCURRENCE OF R. EVERTSI, R. PRAVUS, R. SIMUS AND R. SANGUINEUS IN THE EAST COAST FEVER ZONES.

G A Yeoman

Bull Epizoot Dis Afr 15(3):189-212,MAP REF Scp 1967 41.8 B872

Epizootic discases, Insect vectors, Rhipicephalus appendiculatus, Rhipicephalus sanguineus, Rhi-

picephalus simus, Theileria parva.

Abstract: Rappendiculatus has been assumed the main vector in relationship to T.parva infection, at present testing field evidence to see whether there any R evertindication that si,R.pravus,R.simus,R.sangu incus may play part in spread of epizootic E.C.F.

ARTHROPODS

19213-68

THE EFFECT OF DIPPING ON TICK INFESTA-TION IN YOUNG LAMBS.

W N M Foster

Vet Rec 82(12):348-351

23 Mar 1968 41.8 V641

Ixodes ricinus, Lambs, Rickettsial diseases, Sheepdip.

Abstract: Dipping prior to exposure reduced but did not eliminate ticks. It may reduce severity of tick-borne fever.

RESIDUAL EFFECT OF A SINGLE BATHING OF ASUNTOL 500 (R) IN SHEEP PSOROPTIC SCABIES. (SP)

H Gonzalez J Plaza H Alcaino i Tagle Bol Chileno Parasitol 22(2):50-52

Apr 1967 436.9 C43

Chemical control (insects), Coumaphos, Psoroptes ovis, Scabies, Sheep, Sheep-dip. English and spanish abstracts

A single dip in 50 percent Asuntol (coumaphos was, ineffective against Psorptes ovis.

A TICK NEW TO IRELAND- 1XODES (EX-OPALPIGER) TRIANGULICEPS BIRULA, 1895. R J C Page

Entomol Mon Mag 103(1235-37):120-122

Apr 1967 421 EN86

Environment, Insect identification, Insect taxonomy, Ixodes trianguliceps, Mammals, Research,

ARTIFICIAL FEEDING TECHNIQUE FOR RHI-PICEPHALUS APPENDICULATUS AND THE TRANSMISSION OF THEILERIA PARVA FROM THE SALIVARY SECRETION.

R E Purnell L P Joyner

Nature 216(5114):484-485

04 Nov 1968 472 N21

Animal diseases, Blood, Cattle, Feeding, Injections, Insect vectors, Laboratory animals, Research, Rhipicephalus appendiculatus, Salivary glands (insects), Secretion, Theileria parva.

19217-68

THE PARASITES OF BRITISH BIRDS AND MAMMALS. XL. ECTOPARASITES OF DEER IN BRITAIN.

G B Thompson

Entomol Mon Mag (SER.4)99(284-286):186-189

Aug 1963 421 EN86

Birds, Deer, Insect hehavior, Mammals, Parasitism.

BRAHMAN BREEDING AS A FACTOR AF-FECTING THE ATTRACTIVENESS OR REPEL-LENCY OF CATTLE TO THE HORN FLY, HAE-MATOBIA IRRITANS (L.).

N P Tugwell

Amer Zool 28(1):2258

Jul 1967 410 AM3

Aberdeen Angus cattle, Attractants, Brahman eattle, Cattle, Haematobia irritans, Insect behavior, Insect repellents, Theses.

REPORT OF THE FIRST MEETING OF THE FAO COMMITTEE ON THE CONTROL OF SUNN PESTS OF CEREALS. MEETING, APRIL 6-11, 1963, TEHERAN, IRAN, SB608,G6F6,

17 P REE

Jul 1963

Biological control (insects), Chemical control (insects), Crop losses, Cultural control (insects), Discussion groups, Economics, Grain, Insect pests, Plant injuries, Reports, Research.

PARASITES

19220-68

DEVELOPMENT AND SURVIVAL PASTURE OF GASTROINTESTINAL ON NE. MATODE PARASITES OF CATTLE.

A Goldberg

J Parasitol 54(5):856-862

Oct 1968 448.8 J824

Cattle, Cooperia, Gastrointestinal system, Larvae, Morphology, Nematodes, Oesophagostomum,

19221-68

PORCINE STRONGYLOIDOSIS TREATMENT AND CONTROL.

D.J. Moncol, E.G. Batte

Amer Vet Med Ass J 151(9):1177-1181 REF

01 Nov 1967 41.8 AM3

Anthelmintics, Bahy pigs, Feed additives, Strongy-Strongyloidiasis, Thiazolyl)loides ransomi. benzimidizole, 2-(4-.

Abstract: Thiabendazole was tested in pigs. Consumed in feed at a rate of 22 mg./kg. or more, 99 percent of existing intestinal strongyloides were eliminated. Young suckling pigs required a thiabendazole intake of 75 mg/kg, or more to reduce the worm egg count and worm burden to an insignificant level. Complete removal was not achieved; and based on field data, reinfection was quickly established, lending support to the need for supplemental medication.

19222-68

DICHLOROPHEN IN POULTRY. OF

N C Panda

Vet Rec 81(14):342-343 REF

30 Sep 1967 41.8 V641

Dichlorophen, Leghorn chickens, Poultry, Taeniasis.

EXPERIMENTAL INFECTIONS OF CALVES WITH TRICHOSTRONGYLUS AXEI: OBSER-VATIONS ON LETHAL INFECTIONS.

J G Ross A Purcell C Dow J R Todd

Res Vet Sci 9(4):314-318

Jul 1968 41.8 R312

Animal histology, Cattle, Diarrhea, Dosage, Helminthiasis, Hydrogen-ion concentration, Larvae, Lethal factor, Microscopy, Nematodes, Pep-sinogen, Trichostrongylus axei.

19224-68

BURSAL BOSSES AS DIAGNOSTIC CHARACTER IN NEMATODIRUS OF DOMESTIC SHEEP, OVIS ARIES, IN THE UNITED STATES.

F Stringfellow

J Parasitol 54(4):891-895

Oct 1968 448.8 J824

Assay, Diagnosis, Nematodirus, Parasitism, Research, Sheep, Taxonomy.

CARBOPHENOTHION AS A SHEEP DIP FOR THE CONTROL OF BLOWFLY, LICE AND KEDS.

P J Treehy

Vet Rec 81(14):332-335

30 Sep 1967 41.8 V641

Anoplura, Calliphoridae, Carbophenothion, Sheep-dip.

INTESTINAL HELMINTHIASIS IN DOGS FROM MONTERREY, N. L., MEXICO. (SP.) J Vargas-Mena M C de Brondo Bol Chileno Parasitol 22(2):53-55 REF

COMMODITY PROTECTION

19227-68

Apr 1967 436.9 C43

Dogs, Helminthiasis, Surveys. English and spanish abstracts

Abstract: Of 200 dogs none harhour Echinococcus granulosus; but all were parasited by one or more of the following: Ancylostoma caminum, Dipylidium caminum, Taenia taeniaeformis, T. pisiformis, Mesocestoides variabilis and Oncicola canis. Data and intensity of the infections is given. Two teratologic types are reported: triedric T.taeniaeformis and fenestrated T. pisiformis.

COMMODITY PROTECTION

10227-69

OCCURRENCE OF GIBBIUM PSYLLOIDES DE CZEN. (COL., PTINIDAE) IN SHIPS' HOLDS. F. T. Hurlock

Entomol Mon Mog (SER.4)96(262): 129-130 Jun 1960 421 EN86

Freight, Gibbium psylloides, Insect pests, Ships.

STORAGE DISEASES

19228-68

METHOD FOR CONTROLLING APPLE SCALD. PATENT 3,376,142.

H F Gooncwardene

Us Potent Office Offic Goz 849(1):168

02 Apr 1968 156.65 OF2

Apples, Patents, Scald (apples), Storage diseases.

19229-68

THE INCIDENCE OF CROWN ROT OF BOXED BANANAS IN RELATION TO MICROBIAL POPULATIONS OF THE CROWN TISSUE.

F L Lukezic W J Kaiser M M Martinez

Con J Bot 45(4):413-421

Apr 1967 470 C16C

Bacterial diseases (plants), Botryodiplodia theobromae, Cephalosporium, Crown rot (bananas), Drosophila, Fungus diseases (plants), Fusarium, Gloeosporium musarum, Microorganisms, Storage diseases, Verticillium theobromae.

19230-68

A PATHOLOGICAL PROBLEM ASSOCIATED WITH PRE-PACKAGING OF POTATO TUBERS.

J Scholey C Marshall R Whitbread Plont Pathol 17(3):135-139

Sep 1968 464.8 P692

Bags, Erwinia carotovora, Food packing, Food spoilage, Potatocs, Styrene polymers.

ARTHROPODS

19231-68

SITE OF DAMAGE TO WHOLE WHEAT GRAINS BY FIVE SPECIES OF STORED-PRODUCTS BEETLE.

G Surtees

Entomol Mon Mog (SER.4)99(284-286):178-181 Aug 1963 421 EN86

Coleoptera, Grain, Insect behavior, Plant injuries, Storage, Wheat.

ENVIRONMENTAL CONTAMINATION

19232-68

SYMPOSIUM ON TRENDS IN AIR POLLUTION DAMAGE TO PLANTS (INVITATIONAL PAPERS).

Phytopothology 58(8):1075-1113

Aug 1968 464.8 P56

Air pollution, Plant injuries, Reports, Symposia. Including intoductory remarks by E. F. Darley.

19233-68

DISEASES OF CROPS AND ORNAMENTAL PLANTS INCITED BY AIR POLLUTANTS.

H E Heggestad

Phytopothology 58(8):1089-1097 REF

Aug 1968 464.8 P56

Air pollution, Field crops, Ornamental plants, Plant diseases.

19234-68

DISEASES OF FOREST AND TREE CROPS CAUSED BY AIR POLLUTANTS.

G H Hepting

Phytopothology 58(8):1098-1102

Aug 1968 464.8 P56

Air pollution, Forests, Plant diseases, Trees.

19235-68

THE INFLUENCE OF ATMOSPHERIC DISPERSION ON THE EXPOSURE OF PLANTS TO AIRBORNE POLLUTANTS.

M E Smith

Phytopothology 58(8):1085-1088

Aug 1968 464.8 P56

Air pollution, Atmosphere, Exposure, Particle size determination, Plant injuries.

19236-68

THE IMPACT OF AIR POLLUTANTS ON PLANT POPULATIONS.

M Treshow

Phytopothology 58(8):1108-1113 REF

Aug 1968 464.8 P56

Air pollution, Bacteria, Fungi, Plant diseases, Plant injuries, Population.

19237-68

SOURCES OF PLANT-PATHOGENIC AIR POL-LUTANTS.

F A Wood

Phytopathology 58(8):1075-1084 MAP REF

Aug 1968 464.8 P56 Air pollution, Chemistry, Industry, Plant diseases, Plant injuries.

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19238-68

THE PRESENCE AND PERSISTENCE OF DIEL-DRIN ON FORAGE CROPS FROM SOIL TREATMENTS FOR ALFALFA SNOUT BEE-TLE CONTROL.

T K Wood G C Gyrisco W H Gutenmann C M Edmonds

J Econ Entomol 59(2):472-473

Apr 1966 421 J822

Alfalfa, Brachyrhinus ligustici, Corn, Dieldrin, Forage plants, Rhyncophora, Soil contamination, Soil treatment.

RESIDUES

19239-68

THE BREAKDOWN OF 14-C-CHLORFEN-VINPHOS IN SOILS AND IN.

K I Beynon A N Wright

J Sci Food Agr 18(4):143-150

Apr 1967 382 SO12

Cabhage, Carbon isotopes, Carrots, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Desethyl chlorfenvinphos, Dichloroacetophenone, 2,4-, Dichlorophenyl) chloride, 2,4-, Dichlorophenyl)ethan-1-ol, 1-(2,4-, Dichlorophenyl)ethan-1,2-diol, (2,4-, Dichlorophenyloxirane, 2,4-, Insecticide residues, Insecticides, Metabolites, Onions, Radioactive tracers, Root crops, Soil chemistry.

19240-68

THE EFFECT OF SULPHUR-CONTAINING FUNGICIDES ON THE CORROSION OF PLAIN CANS OF FRUIT.

P W Board R V Holland R G P Elhourne J Sci Food Agr 18(6):232-236

Jun 1967 382 SO12

Cans, Captan, Corrosion, Food contamination, Fruit, Fungicides, Pesticide residues, Sodium sulfide, Sulfur, Thiram, Ziram.

19241-68

IODINE-131 CONCENTRATIONS IN AUSTRALIAN MILK RESULTING FROM THE 1967 FRENCH NUCLEAR WEAPON TESTS IN POLYNESIA.

J Bonnyman J C Duggleby

Austrolion J Sci 30(6):223-226

Dec 1967 475 AU72

Children, Food contamination, Iodine isotopes, Milk, Nuclear warfare, Thyroid gland.

19242-68

THIN-LAYER CHROMATOGRAPHIC DETERMINATION OF POLYBUTENE RESIDUES IN PLANTS. .

C J Briggs S B Challen

J Sci Food Agr 18(12):602-605

Dec 1967 382 SO12

Acaricides, Apples, Brassica hirta, Butene polymers, Chromatography, Chrysanthemum, Cucumbers, Food contamination, Pesticide analysis, Pesticide residues, Rosa.

19243-68

LEAD ACCUMULATION IN NOVA SCOTIA ORCHARD SOILS.

D Chisholm R F Bishop Horticultural Abs 38(3):696

Sep 1968 241 1M74

Fruit, Lead, Pesticide residues, Soils.

19244-68

PESTICIDES CONTAINING PHOSPHORUS PASTE INTENDED FOR USE IN OR AROUND THE HOME. NOTICE OF PROPOSED INTERPRETATION 26 UNDER FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT.

H W Hays

Fed Regist 33(199):15214

11 Oct 1968 L1.451

Accident prevention, Agricultural products, Fungicides, Insecticides, Labeling, Pesticide residues, Pesticides, Phosphorus, Rodenticides.

19245-68

 $\begin{array}{ll} \textbf{METABOLISM} & \textbf{OF} \ \ \textbf{'PROPHAM'} \ \ \textbf{(ISOPROPYL} \\ \textbf{N-PHENYLCARBAMATE)} \ \textbf{IN} \ \textbf{THE} \ \textbf{RAT}. \end{array}$

G M Holder A J Ryan Nature 220(5162):77

05 Oct 1968 472 N21

Biochemistry, Herbicide residues, Ipc, Metabolism, Metabolites, Rats, Research.

19246-68

CHLORINATED HYDROCARBONS IN BRITISH WILDLIFE.

D C Holmes J H Simmons J O G Tattun Noture 216(5112):227-229 REF 21 Oct 1967 472 N21

Biochemistry, Chlorine, Chromatography, Eggs, Hydrocarbons, Liver, Organic compounds, Pesticide residues, Toxicology, Wildlife.

19247-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETHYL DIPROPYLTHIOCARBAMATE. J K Kirk

Fed Regist 33(163):11814

21 Aug 1968 L1.451

Chemicals, Ethyl N,N-dipropylthiocarhamate, Food plants, Herhicides, Pesticide residues.

19248-68

DANGER OF CHLORINATED HYDROCARBON INSECTICIDES IN BIRD'S EGGS.

J H Koeman R C H M Oudejans E A Huisman

Noture 215(5105):1094-1096 02 Sep 1967 472 N21

Biochemistry, Chick emhryos, Chlorine, Dieldrin, Eggs, Hydrocarhons, Insecticide residues, Insecticides, Toxicology.

10240.6

REPORT OF THE PESTICIDE RESIDUES COMMITTEE. SB951.N36.

13 P.

Jun 1967

Accident prevention, Chemistry, Discussion groups, Fungicides, Insecticides, Pesticide residues, Pesticides, Reports, Research.

INVESTIGATIONS ON THE DEVELOPMENT OF SIMPLE RAPID METHODS AND EQUIP-MENT FOR QUALITATIVE DETECTION OF PESTICIDES AND THEIR METABOLITES IN PLANT AND ANIMAL PRODUCTS. FINAL TECHNICAL REPORT, JUNE 29- DECEMBER 31, 1966. SB959.S7.

C W Stanley

50 P

1966 Animals. Biochemistry, Equipment, Metabolites, Methodology, Pesticide residues, Pesticides, Plants, Reports, Research.

ACCUMULATION OF DDT IN FRUIT PLANTINGS WHEN USED CONTINUOUSLY. V P Vasil Ev

Horticultural Abs 38(3):696 Sep 1968 241 IM74

DDT. Fruit, Pesticide residues.

TOXICOLOGY

19252-68

SWINE TOXICOSIS ASSOCIATED WITH FU-MIGATED GRAIN.

J F Bone D H Smith D C England R L Goulding Amer Vet Med Ass J 150(9):1022-1026 REF 01 May 1967 41.8 AM3

Baby pigs, Barley, Fetal death, Fumigants, Mortality, Poisoning, Swine.

Abstract: A poisoning syndrome was observed in swine fed fumigated barley. Stillbirths were numerous. Postpartum losses in sucking pigs were characterized by fetid brownish diarrhca, dehydration, aplastic normochromic anemia, pulmonary edcma and hydrothorax, renal hemorrhages, mesenteric cdcma, and low-grade enteritis. In feedcr swine, lesions were principally renal hemorrhages, pulmonary edema, and hydrothorax. The feed bins had a moldy odor reminiscent of phosgene, but tests failed to reveal any toxic substance. Losses stopped after removal of fumigated grain from the ration.

19253-68

THE FOOD PROTECTION AND TOXICOLOGY CENTER- ANNUAL REPORTTX341.C3.

105 P. 1966

Accident prevention, Biochemistry, Botulism, Chemicals, Food, Reports, Research, Salmonellosis, Toxicology.

19254-68

CROTALARIA INTOXICATION IN GUINEA PIGS.

W W Carlton

Amer Vet Med Ass J 151(7):845-855 REF 01 Oct 1967 41.8 AM3

Animal histology, Autopsies, Crotalaria spectabilis, Guinea pigs, Poisoning, Seeds.

Abstract: Fincly ground Crotalaria spectabilis seeds were incorporated into ground commercial pellets and fed to male guinea pigs at levels of 1 percent and 5 percent of the diet. Guinea pigs fed 5 percent of the ground seeds developed distended abdomens. There was serous effusion into the subcutaneous tissue at necropsy. Livers were severely congested, and the capsular surface was partially covered by a fibrin film. Focal areas of pneumonia and congestion were found in the lungs. Microscopically, livers showed congestion, necrosis of hepatocytes, ductule cell hyperplasia, thrombosis of portal veins, megalocytosis, dilatation of lymphatics, cytoplasmic inclusions, spicules of bone, and deposits of osteoid tissue. Fihrosis, hut not cirrhosis, was observed. Pneumonia, congestion and focal hemorrhage occurred in lungs.

Hemoglobin levels and packed cell volumes was not changed.

19255-68

TOXICITY OF OIL-SPILL REMOVERS (DE-TERGENTS) TO MARINE LIFE: AN ASSESSMENT USING THE INTERTIDAL BARNACLE ELMINIUS MODESTUS.

E D S Corner A J Southward E C Southward Mar Biol Ass Uk J 48(1):29-47 REF

Feb 1968 442.9 M331

Aquatic animals, Barnacles, Detergents, Toxins.

19256-68

TOXIC FUNGI ISOLATED FROM TALL FESCUE.

A C Keyl J C Lewis J J Ellis S G Yates H L Tookey

Mycopathol Mycol Appl 31(3-4):327-331 28 Apr 1967 450 M994

Cattle, Cladosporium cladosporioides, Festuca arundinacea, Fusarium nivale, Poisoning, Poisonous fungi, Sheep.

A mixture of C. cladosporioides and F. nivalc produced ruminal atony in sheep. Clinical findings are similar to those of cattle on toxic fescue pasture, toxic effects on rabbit skin and death in mice were produced by fescue molds.

19257-68

DDT RESIDUES IN PACIFIC SEA BIRDS: A PERSISTENT INSECTICIDE IN MARINE FOOD CHAINS.

R W Risebrough D B Menzel D J Martin H S Olcott

Nature 216(5115):589-591 REF

11 Nov 1967 472 N21

Aquatic birds, DDT, Ecology, Eggs, Insecticide residues, Marine biology.

19258-68

CLINICO-EPIDEMIOLOGICAL AND IMMU-NOLOGICAL EXAMINATION OF PERSONS, VACCINATED AND NONVACCINATED VACCINATED AND NONVACCINATED AGAINST BRUCELLOSIS, SUBJECT TO IN-FECTION HAZARD. (RUS)

P A Vershilova A A Golubeva A G Markaryan G N Sereda

Zhur Mikrobiol Epidemiol Immunobiol 1(0):27-35 1968 448.3 Z4

Allergies, Granuloma, Hypersensitivity, Immunity, Lipids, Lymph nodes, Polysaccharides, Proteins, Spleen, Tuberculin, Tuberculosis. Summary in En-

STEM NECROSIS OF GRAPES.

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Grapes, Necrosis, Plant physiology, Stem.

GOSSYPOL SYNTHESIS IN CHILLED COTTON TISSUES. (ABSTRACTS).

A A Bell M N Christiansen

Phytopathology 58(7):883

Jul 1968 464.8 P56

Biosynthesis, Cotton, Gossypol, Plant temperature, Seedlings, Tissues, Verticillium albo-atrum.

19261-68

INFLUENCE OF NEAR-ULTRAVIOLET LIGHT ON HYPHAL ELONGATION IN VERTICILLI-HM.

W H Brandt

Mycologia 59(4):736-739 REF

Jul 1967 450 M99

Plant physiology, Ultraviolet rays, Verticillium albo-atrum.

19262-68

GROWTH AND FRUIT DROP OF YOUNG FRUIT TREES SPRAYED WITH ACARICIDES DEMETON-METHYL OR TETRADIFON.

J B Briggs D J Avery Horticultural Abs 38(3):695 Sep 1968 241 IM74

Acaricides, Biochemistry, Demeton, Fruit, Methyl, Plant physiology, Spraying, Tetradifon.

FIFT D AND LABORATORY STUDIES OF THE EFFECT OF UREA ON ASCOSPORE PRODUC-TION OF VENTURIA INAEQUALIS (CKE.) WINT.

R T Burchill

Ann Appl Biol 62(2):297-307

Oct 1968 442.8 AN72

Biochemistry, Laboratories, Research, Urea, Venturia inaequalis.

DEVICES FOR SEED DRESSING WITH LIQUID MATERIALS. (CZ)

Z Chladek

Aerochemia 8(4):55-38

1968 385 AG88

Biochemistry, Chemicals, Crop yields, Pesticide application, Seed treatment.

19265-68

PRODUCTION OF KETO ACIDS BY CERATO-CYSTIS FAGACEARUM AND CERATOCYSTIS COERULESCENS.

R P Collins K Kalnius

Mycologia 59(4):722-725 REF

Jul 1967 450 M99

Biochemistry, Ceratocystis coerulescens, Ceratocystis fagacearum, Dinitrophenylhydrazones, Oxoacids.

19266-68

EFFECT OF CONCENTRATION, EXPOSURE TIME, TEMPERATURE, AND RELATIVE HU-MIDITY ON THE TOXICITY OF SULFUR DIOXIDE TO THE SPORES OF BOTRYTIS

H M Coucy M Uota

Phytopathology 51(12):815-819

Dec 1961 464.8 P56

Botrytis cinerea, Chemical control (plant diseases), Dosage, Humidity, Sulfur dioxide, Temperature.

19267-68

PHYSIOLOGICAL PROCESSES TAKING PLACE IN VINES UNDER THE INFLUENCE OF PESTICIDES.

G V Dolidze

Horticultural Abs 38(3):695

Sep 1968 241 1M74

Biochemistry, Grapes, Pesticides, Plant physiology.

THE EFFECTS OF VARIOUS VITAMINS ON GROWTH OF BOTRYOSPHAERIA RIBIS IN VITRO, (ABSTRACT).

C R Drake

Phytopathology 58(7):884

Jul 1968 464.8 P56

Ammonium nitrate, Biochemistry, Botryosphaeria rihis, Carbon, Culture media, Growth factors, Plant growth inhibitors, Sucrose, Vitamins.

19269-68

PHYSIOLOGICAL STUDIES ON PEAR CANKER DISEASE IN U.A.R. AND ITS CON-TROL.

A A El-Adawy M Kamel

Horticultural Abs 38(3):678-679

Sep 1968 241 1M74

Canker (fruit), Pears, Plant diseases, Plant physiology, Research.

19270-68

INFLUENCE OF LOW LEVELS OF OZONE ON FLOWERING OF CARNATIONS.

W A Feder F J Campbell

Phytopathology 58(7):1038-1039

Jul 1968 464.8 P56

Dianthus caryophyllus, Flowering, Ornamental plants, Ozone, Plant physiology.

TOXICOLOGY

19271-68

F9271-68

EFFECTS OF TOMATO RINGSPOT VIRUS ON PLANT AND FRUIT DEVELOPMENT OF RASP-

J A Freeman R Stace-Smith Horticultural Abs 38(3):682

Sep 1968 241 IM74

Fruit, Plant physiology, Raspberries, Ring spot (to-

19272-68

SOME PHYSICAL AND CHEMICAL PROPER-TIES OF AN ENDOGENOUS GERMINATION INHIBITOR FROM UREDOSPORES OF WHEAT STEM RUST, (ABSTRACT).

R C French

Phytopathology 58(7):884

Jul 1968 464.8 P56

Biochemistry, Plant growth inhibitors, Plant physiology, Puccinia graminis tritici, Seed germination, Stem rust (wheat), Uredospores.

F9273-68

PERIOD OF ACCESS TO ETHANOL IN RELA-TION TO CARBON UTILIZATION AND RHIZOMORPH INITIATION AND GROWTH IN ARMILLARIA MELLEA.

M O Garraway A R Weinhold

Phytopathology 58(8):1190-1191 REF

Aug 1968 464.8 P56

Armillaria mellea, Biochemistry, Carbon, Ethyl alcohol, Plant physiology, Time.

THE INFLUENCE OF CATION COMPETITION. TIME, AND TEMPERATURE ON THE UPTAKE OF STREPTOMYCIN BY FOLIAGE.

R N Goodman H S Goldherg Phytopathology 59(11):851-854

Nov 1960 464.8 P56

Beans, Fruit, Ions, Plant temperature, Streptomycin.

19275-68

BEHAVIOR OF MACROCONIDIA OF FUSARI-UM ROSEUM 'SAMBUCINUM' UNDER CAR-BON STARUATION CONDITIONS IN RELATION TO SURVIVAL IN SOIL. (ABSTRACT).

G J Griffin

Phytopathology 58(7):885

Jul 1968 464.8 P56

Ammonium, Carbon, Conidia, Deficiency diseases, Fusarium roscum, Plant respiration, Soil fungi, Starvation.

19276-68

CROP RESPONSES TO APPLIED MOLYB-DENUM AND COPPER ON PODZOL SOILS.

U C Gupta D C MacKay

Canad J Soil Sci 48(3):235-242

Oct 1968 56.8 C162

Alfalfa, Barley, Barley straw, Biochemistry, Copper, Field crops, Greenhouse culture, Molybdenum, Plant physiology, Soils.

19277-68

CAN HERBICIDES BE USED SAFELY EVERY YEAR.

A E Hiltbold G A Buchanan

Highlights 15(3):9 FALL

1968 100 ALTH

Atrazine, Biochemistry, Chemical control (weeds), Corn, Cotton, Field crops, Herbicide residues, Herhicides, Plant hardiness, Research, Simazine, Soybeans.

19278-68

EFFECT OF ROOT TEMPERATURE ON HYPOCOTYLS OF COTTON SEEDLINGS AS A SOURCE OF NUTRITION FOR RIHZOCTONIA SOLANI.

R E Hunter G Guinn

Phytopathology 58(7):981-984

Jul 1968 464.8 P56

Cotton, Fungus diseases (plants), Greenhouses, Hypocotyls, Nitrogen, Plant nutrition, Plant temperature, Rhizoctonia solani, Roots, Seedlings, Starches, Sugars.

DESSICATION ACTIVITY OF SOME XANTHATES. (CZ.)

V Konecny S Prichradny S Truchlik

Agrochemia 8(1):24-27

1968 385 AG88

Biochemistry. Chemical control (weeds). Defoliants, Esters, Herbicides, Xanthic acids.

AN EFFECT OF KINETIN ON THE TRANSLO-PHOTOSYNTHATE IN CITRUS.

P E Kriedemann

Australian J Biol Sci 21(3):569-571

Jun 1968 442.8 AU72

Absorption, Biochemistry, Carbon isotopes, Citrus, Kinetin, Leaves, Photosynthesis, Research, Tahles (data).

EFFECT OF DDT ON PHOTOSYNTHESIS IN CERTAIN VARIETIES OF BARLEY.

P D Lawler L J Rogers

Nature 215(5109):1515-1516

30 Sep 1967 472 N21

Barley, Biochemistry, Chloroplasts, DDT, Hill reaction, Immunity, Photosynthesis, Plant genetics, Plant hardiness.

19282-68

FIELD AND LABORATORY TRIALS ON THE FUNGICIDAL AND BIOLOGICAL SIDE-EFFECTS OF PLANT PROTECTANTS USED IN VITICULTURE.

J Lehoczky

Horticultural Abs 38(3):688-689

Sen 1968 241 IM74

Biology, Culturc media, Fungicides, Laboratories, Plant physiology, Research.

EFFECT OF FUNGICIDES ON GERMINATION OF LOWBUSH BLUEBERRY POLLEN AND ON NUMBER OF SEEDS PER BERRY.

C.L. Lockhart

Horticultural Abs 38(3):695

Sep 1968 241 IM74

Biochemistry, Blueberries, Fungicides, Plant physiology, Pollen, Seed germination, Seeds.

19284-68

EFFECT OF FUNGICIDES ON GERMINATION OF LOWBRUSH BLUEBERRY POLLEN AND ON NUMBER OF SEEDS PER BERRY.

C.L.Lockhart

Can Plant Dis Sarv 47(3):72-73

Sep 1967 464.9 C16S

Fungicides, Pollen. Blueberries Ferbam, Polyethylene thiuram sulfides, Seeds, Zineb, Ziram.

19285-68

THE EFFECT OF FUMIGANTS ON THE VINE PLANT AND ON THE SOIL MICROFLORA ON CALCAREOUS CHERNOZEM.

M N Mirzonova N N Perov

Horticultural Abs 38(3):696

Sep 1968 241 IM74

Biochemistry, Calcareous soils, Chernozems, Grapes, Soil fumigation.

19286-68

PRODUCTION OF POLYGALACTURONASE BY VERTICILLIUM ALBO-ATRUM AND FUSARIUM OXYSPORUM F. SP. LYCOPER-SICI IN VITRO AND IN VASCULAR TISSUE OF SUSCEPTIBLE AND RESISTANT HOSTS. (AB-STRACT).

H W Mussell R J Jr Green

Phytopathology 58(8):1061

Aug 1968 464.8 P56

Culture media, Enzymes, Fusarium oxysporum, Pectinase, Plant disease resistance, Plant physiology, Vascular system (plants), Verticillium alho19287-68

EFFECTS OF F-2, AN ESTROGENIC METABOLITE FROM FUSARIUM, ON SEXUAL REPRODUCTION OF CERTAIN ASCO-MYCETES. (ABSTRACT).

R R Nelson C J Mirocha D Huisingh A Tijerina-Menchaca

Phytopathology 58(8):1061-1062

Aug 1968 464.8 P56

Ascomycetes, Estrogens, Metabolism, Metabolites, Fusarium roseum. Plant physiology, Reproduction, Sex.

19288-68

THE BIOCHEMICAL AND PHYSIOLOGICAL NATURE OF RESISTANCE AND SUSCEPTI-BILITY TO VERTICILLIUM WILT IN STRAW-BERRY CULTIVARS.

K A Okasha

Horticultural Abs 38(3):688

Sep 1968 241 IM74

Biochemistry, Fungus diseases (plants), Plant disease resistance, Plant physiology, Strawherries, Verticillium, Wilt (strawberries).

19289-68

SPORE FORMATION AND RELEASE IN ERYSIPHE. (ABSTRACT).

S M Pady C L Kramer

Phytopathology 58(8):1062

Aug 1968 464.8 P56

Erysiphe, Greenhouse culture, Plant physiology, Reproduction, Spores.

19290-68

PURIFICATION AND PROPERTIES OF PHYTOTOXIC GLYCOPEPTIDES PRODUCED BY CORYNEBACTERIUM MICHIGANENSE, (ABSTRACT).

P V Rai G A Strobel

Phytopathology 58(8):1063-1064

Aug 1968 464.8 P56

Autoradiography, Chromatography, Corynehacterium michiganense, Electron microscopes, Glycopeptides, Plant physiology, Properties.

19291-68

THE TRANSPLANTING REACTIONS PEACH IN RELATION TO THE PRESENCE OF PEACH RESIDUES IN THE SUBSTRATE.

G Rainaldi F Zucconi

Horticaltural Abs 38(3):679

Sep 1968 241 IM74

Biochemistry, Culture media, Peaches, Residues, Transplanting.

19292-68

TEMPLATE ACTIVITY AND RNA SYNTHESIS FROM GERMINATING BEAN RUST UREDO-SPORES. (ABSTRACT).

L Ramakrishnan R C Staples

Phytopathology 58(8):1064 Aug 1968 464.8 P56

Escherichia coli, Metabolism, Rihonucleic acid, Rust (beans), Seed germination, Uromyces phaseoli.

19293-68

DEMONSTRATION OF OCCURRENCE OF HEXOSE MONOPHOSPHATE SHUNT PATHWAY IN CHLAMYDOSPORES SPHACELOTHECA SORGHI, (ABSTRACT).

P S Rao P Nordin E D Hansing

Phytopathology 58(8):1064

Aug 1968 464.8 P56

Biochemistry, Chlamydospores, Plant physiology, Sphacelotheca sorghi, Temperature.

19294-68

SOLUBLE SUGARS IN CHLAMYBOSPORES OF SPHACELOTHECA SORGHL (ABSTRACT).

P S Rao E D Hansing P Nordin

Phytopathology 58(8):1064 Aug 1968 464.8 P56

Biochemistry, Chlamydospores, Sphacelotheca sorghi, Sugars.

19295-68

SENSITIVITY OF TOBACCO LEAF DISCS TO OZONE. (ABSTRACT).

R A Reinert H B Carter

Phytopatholagy 58(8):1064

Aug 1968 464.8 P56

Agar, Allergies, Biochemistry, Leaves, Ozone, Plant physiology, Tobacco.

SACCHARASE ACTIVITY OF SCLEROTIUM ROLFSII IN SOIL AND THE MECHANISM OF ANTAGONISTIC ACTION BY TRICHODERMA

R Rodriguez-Kabana E A Curl

Phytopathology 58(7):985-992 REF

Jul 1968 464.8 P56

Carbon dioxide, Culture media, Glucose, Invertase, Plant physiology, Sclcrotium rolfsii, Soil fungi, Trichoderma viride.

EXPERIMENTS USING STERILIZED APPLE-LEAF DISCS TO STUDY THE MODE OF ACTION OF UREA IN SUPPRESSING TION OF UREA IN SUPPRESSING PERITHECIA OF VENTURIA INAEQUALIS (CKE.) WINT.

R G Ross R T Burchill

Ann Appl Biol 62(2):289-296

Oct 1968 442.8 AN72

Apples, Biochemistry, Pcrithecia, Research, Sterilization, Urea, Venturia inaequalis.

THE EFFECT OF THE TOXIN OF PSEU-DOMONAS PHASEOLICOLA ON TISSUE CUL-TURES OF BEAN (PHASEOLUS VULGARIS). (ABSTRACT).

K Rudolph R P Warick

Phytapathology 58(8):1065

Aug 1968 464.8 P56

Beans, Biochemistry, Plant physiology, Pseudomonas phaseolicola, Tissue culture, Toxins.

19299-68

CHYMOTRYPSIN INHIBITOR I FROM POTATOES: A TRANSIENT PROTEIN COM-CHYMOTRYPSIN INHIBITOR PONENT IN LEAVES OF YOUNG POTATOE PLANTS.

C A Ryan O C Huisman

Nature 214(5092):1047-1049

03 Jun 1967 472 N21

Chymotrypsin, Leaves, Plant growth inhibitors, Potatoes, Proteins.

NUTRITION OF PHYTOPATHOGENIC PSEU-DOMONADS. (ABSTRACT).

D C Sands M N Schroth

Phytopathology 58(8):1066

Aug 1968 464.8 P56

Nutrition, Plant physiology, Pseudomonadaceae, Pseudomonas glycinea, Pseudomonas syringae.

MEMBRANE DISTRIBUTION IN PEPPER CELLS INDUCED BY XANTHOMONAS VESICATORIA AND BY VOLATILE PRODUCTS OF THE BACTERIUM. (AB-STRACT).

J M Sasser R E Stall A A Cook

Phytapathalogy 58(8):1066

Aug 1968 464.8 P56

Bacteria, Cells, Plant physiology, Redpeppers (vegetable), Volatile substances, Xanthomonas vesicatoria.

DISC ELECTROPHORESIS OF UREDIOSPORE PROTEINS FROM PUCCINIA SPECIES. (AB-STRACT).

U A Shipton G Fleischmann

Phytapathalagy 58(8):1067 Aug 1968 464.8 P56

Biochemistry, Electrophoresis, Plant physiology, Proteins, Puccinia, Urediospore.

19303-68

REACTIONS OF FOLPET WITH PURIFIED EN-ZYMES, NUCLEIC ACIDS, AND SUBCELLU-LAR COMPONENTS OF SACCHAROMYCES PASTORIANUS

M R Siegel H D Sisler

Phytopathalagy 58(8):1129-1133 REF

Aug 1968 464.8 P56

Biochemistry, Cells, Enzymes, Folpet, Nucleic acids, Saccharomyces pastorianus.

19304-68

PLANT GROWTH INHIBITOR FROM TOBACCO AND ITS POSSIBLE INVOLVE-MENT IN PATHOGENESIS. (ABSTRACT).

J R Steadman

Phytopathalagy 58(8):1069

Aug 1968 464.8 P56

Biochemistry, Plant diseases, Plant growth inhibitors, Plant physiology, Tobacco.

19305-68

ENZYME DETOXICATION OF 3',4'-DICHLOROPROPIONANILIDE IN RICE AND BARNYARD GRASS, A FACTOR IN HERBI-CIDE SELECTIVITY.

C C Still O Kuzirian

Nature 216(5117):799-800

25 Nov 1967 472 N21

Assay, Biochemistry, Chemical control (weeds), Chromatography, Enzymes, Herbicides, Photosynthesis, Propanil, Rice, Soil microorganisms, Temperature.

19306-68

METABOLISM OF 3.4-DICHLOROPROPIONANILIDE IN PLANTS: THE METABOLIC FATE OF THE 3,4-DICHLOROANILINE MOIETY.

G G Still

Science 159(3818):992-993

01 Mar 1968 470 SC12

Biochemistry, Herbicides, Metabolism, Plant physiology, Propanil.

19307-68

OZONE INJURY ON BEL W-3 TOBACCO CON-TROLLED BY AT LEAST TWO GENES. (AB-STRACT).

G S Taylor

Phytopathology 58(8):1069

Aug 1968 464.8 P56

Genes, Genetics, Ozonc, Plant injuries, Plant physiology, Tobacco.

RELATION OF LIPID CONTENT TO OZONE RESISTANCE OF TOBACCO LEAVES. (AB-STRACT).

H Tomlinson S Rich

Phytopathology 58(8):1070

Aug 1968 464.8 P56

Leaves, Lipids, Ozone, Plant disease resistance, Plant physiology, Tobacco.

GERMINATION OF CHLAMYDOSPORES OF PHYTOPHTHORA PARASITICA IN SOIL. (AB-STRACT).

P H Tsao J L Bricker

Phytopathology 58(8):1070

Aug 1968 464.8 P56

Chlamydospores, Phytophthora parasitica, Plant physiology, Seed germination, Soil fungi.

EFFECT OF RADIATION INTENSITY AND QUALITY ON SPORULATION BY HEL-MINTHOSPORIUM DICTYOIDES. (AB-

J M Jr. Vargas R D Wilcoxson

Phytapathology 58(8):1070

Aug 1968 464.8 P56

Helminthosporium dictyoides, Irradiation, Plant physiology, Radioactivity, Sporulation.

19311-68

EFFECTS OF TCPA ON OAK SAPWOOD FOR-MATION AND THE INCIDENCE AND DEVELOPMENT OF OAK WILT. (ABSTRACT). K O Veen V M G Nair J E Kuntz

Phytopathology 58(8):1071

Aug 1968 464.8 P56

Biochemistry, Fenac, Plant physiology, Quercus, Wilt (quercus).

ACTION OF POTATOE PEEL EXTRACTS IN MODIFYING TUBER DORMANCY.

M G Walker

Nature 217(5131):878-879

02 Mar 1968 472 N21

Chromatography, Minerals, Plant physiology, Potatoes, Seed dormancy.

19313-68

EFFECT OF TEMPERATURE ON EJECTION OF ASCOSPORES OF LEPTOSPHAERULINA BRIOSIANA.

R D Wilcoxson M C Pandey

Indian Phytapathol 20(3):199-202

Sep 1967 464.8 1N2

Fungus diseases (plants), Leptosphaerulina briosiana, Temperature.

19314-68

METABOLITE SYNTHESIS AND DEGRADA-TION DURING CLUBROOT DEVELOPMENT IN CABBAGE HYPOCOTYLS.

P H Williams N T Keen J O Strandberg S S

McNabola

Phytapathology 58(7):921-928 REF

Jul 1968 464.8 P56

Biochemistry, Clubroot (cabbage), Cytoplasm, Deoxyribonucleic acid, Plant metabolism, Plasmodiophora brassicae, Ribonucleic acid.

OXIDATIVE METABOLIC PATTERNS DIS-PLAYED BY PSEUDOMONAS SAUASTANOI ON CARBOHYDRATE AND AMINO SUB-STRATES. (ABSTRACT).

E E Wilson M G Heskett

Phytapathalagy 58(8):1072

Aug 1968 464.8 P56

Biochemistry, Carbohydrates, Metabolism, Oxidation, Plant physiology, Pseudomonas savastanoi.

THE INFLUENCE OF SMOKE FROM THE COMBUSTION OF POLYVINYL CHLORIDE INSULATION ON NORTHERN HARDWOOD FOREST SPECIES. (ABSTRACT).

F A Wood

Phytopathalogy 58(8):1073

Aug 1968 464.8 P56

Biochemistry, Forests, Hardwoods, Plant physiology, Polyvinyl chloride, Smoke.

19317-68

TRANSFORMATION OF HORSERADISH PEROXIDASE INTO PHOTOSENSITIVE COM-POUNDS IN THE PRESENCE OF INDOLE-3-ACETIC ACID.

I Yamazaki H Sano R Nakajima K Yokota

Biachem Biophys Res Cammun 31(6):932-937 RFF

28 Jun 1968 442.8 B5236

Chemical reactions, Chemistry, Indoleacetic acid, Peroxidases, Photoperiodism, Photosensitization, Temperature.

A CHEMICALLY DEFINED MEDIUM FOR THE VEGETATIVE GROWTH OF APHANOMYCES EUTEICHES. (ABSTRACT).

C Y Yang C L Schoulties

Phytopathology 58(8):1073-1074

Aug 1968 464.8 P56

Aphanomyces euteiches, Chemicals, Culture media, Fungi, Plant biochemistry, Plant physiology.



ABERDEEN ANGUS CATTLE Brahman breeding as a factor affecting the at-	ACER SACCHARUM Mapping columns of discolored and decayed	Observations on inclusion bodies in pig kidne
tractiveness or repellency of cattle to the horn fly, Haematobia irritans (L.).	wood in sugar maple. (Abstract). 18939	tissue culture cells infected with porcine adenoviruses.
19218	ACETATES	19170
ABNORMALITIES Response of meristems to indoleacetic acid and colchicine: Differences between primordia and	Gene activation without histone acetylation in Drosophila melanogaster. 18702	ADSORPTION Specific interference among strains of Newcastle disease virus. III. Mechanisms of interference.
root meristems.	ACETYLCIIOLINESTERASES	19159
18726	Acetylcholinesterase insensitivity in the biarra	AEDES
ABORTION Kinetics of cellular and viral DNA synthesis in equine abortion (herpes) virus infection of L-M	strain of the cattle tick Boophilus microplus, as a cause of resistance to organophosphorus and carbamate acaricides.	Taxonomic notes on some larvae of the genu Aedes (Diptera: Culicidae) from Lokoja in Northern Nigeria.
cells.	18666	18559
19194	ACIDS	AEDES AEGYPTI
Infectious bovine rhinotracheitis relationship of level of maternal antibody titer to incidence of fetal death and abortion.	Hypera (Phytonomus) arator L. (Col., Curculionidae) associated with acidity in barley. 18672	Studies on the oviposition behavior and the development of the type of Aedes aegypti L (Dipt., Culicidae). V.
19197	Preparation and properties of the protein and	1868-
Bedsonia abortion of sheep. III. Immunological studies.	nucleic acid components of Pea Enation Mosaic Virus. 19074	Studies on the oviposition behavior and develop ment of the type form of Aedes aegypti L. (Dipt.
19205	ACRIDIDAE	Culicidae). IV. Light intensity. 1868:
ABSORPTION	Grasshoppers (Orth., Acrididae) in Radnorshire.	Studies on the oviposition behaviour and
An effect of kinetin on the translocation of 14C- labelled photosynthate in citrus.	18514 Grasshoppers and locusts in western Australia.	development of the type form of Aedes aegypt L, (Dipt., Culicidae). Ill. Temperature.
	18626	1868
Kinetic study of the sorption of 2.4-D on some clays.	An experimental study of the effect of changing light intensity on the activity of adult locusts.	Natural selection and feeding speed in a blood sucking insect.
ABSORPTION (BIOLOGICAL)	18648	1870.
CO2 absorption in four wheat varieties and dif-	ACRIDOIDEA	Annual report of the insect vector control divi
ferential responses to infection by Septoria	Some new and little-known Acridoidea (Orthop- tera) from west Africa.	sion (previously the malaria division) of the ministry of health and housing of the governmen
nodorum. (Abstract).	18518	of Trinidad and Tobago for the year 1966.
	ACROLEPIA ASSECTELLA	1870
ACARICIDES Acetylcholinesterase insensitivity in the biarra	A preliminary experimental study of the sex at-	AEDES AFRICANUS
strain of the cattle tick Boophilus microplus, as a cause of resistance to organophosphorus and	tractiveness of female Lepidoptera Acrolepia as- sectella (Zeller) under natural conditions.	Natural selection and feeding speed in a blood sucking insect.
carbamate acaricides.	18553	1870.
18666 Control of tarsonemid mites in fungal cultures. 18680	ACTINOMYCIN D Effects of actinomycin D on development in pupae of Tenebrio molitor. 18593	AEDES SOLLICITANS Preliminary observations on the incidence and biology of a mermithid nematode of Aedes sollicitans (Walker) in Louisiana.
Comparisons of soil and foliar applications of	Change in patterns of inhibition by actinomycin	1865-
acaricides for control of the two-spotted spider mite on strawberries in southern California. 19075	D of uridine-H3 incorporation into salivary gland RNA of Rhynchosciara at different larval ages. 18643	Ultra-low volume and conventional aerial spray for control of adult salt-marsh mosquitoes Aedes sollicitans (Walker) and Aedes tacnior
The performance of 13 chemical compounds	ACTOMYOSINS	hynchus (Wiedemann), in Florida.
with an acaricidal action against the European red spider mite (Panonychus ulmi; Acarina,	The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and	1870' AEDES TAENIORHYNCHUS
Tetranychidae).	leg muscles.	Ultra-low volume and conventional aerial spray
Red spider mite in deciduous fruit orchards.	18638	for control of adult salt-marsh mosquitoes
19083	ACULEATA Miscellaneous prey records of solitary wasps, V,	Aedes sollicitans (Walker) and Aedes taenior hynchus (Wiedemann), in Florida.
Thin-layer chromatographic determination of	(Hymenoptera: Aculgata).	1870
polybutene residues in plants.	18632	Evaluation of thermal and nonthermal fog
19242	ACULUS FOCKEUI	against four species of mosquitoes.
Growth and fruit drop of young fruit trees	A mite that is harmful to young plum trees. 19051	1871
sprayed with acaricides demeton-methyl or tetradifon.	ACYRTHOSIPHON PISUM	AERIAL PEST CONTROL Helicopter applies bird repellent seeds.
19262	The interrelationship of the aphid Acyrthosiphon	1913
Composition and methods for controlling insect,	pisum, and its parasite, Aphidius smithi, in a sta-	AERIAL SPRAYING
mite and nematode pests with O-ethyl-S-(N'-	ble environment.	Grasshoppers and locusts in western Australia.
methoxy-N'-methylacetamide)-N-isopropylthiophosphoramide. Patent 3,390,047.	Entomology department.	1862
19324	19031	North Carolina insecticide report for january 1 december 31, 1967.
ACARINA	ADALIA BIPUNCTATA	1864
Petrobia latens (Muller)(Acarina,	The development and fecundity of Adalia	Ultra-low volume and conventional aerial spray
Tetranychidae) recorded on fruit in kent. 18639	bipunctata L. and coccinella septempunctata L. feeding on various species of aphids. In: Hodek, L., ed. Ecology of aphidophagous insects.	for control of adult salt-marsh mosquitoes Aedes sollicitans (Walker) and Aedes taenion
ACCIDENT PREVENTION	SB975.0S9.	hynchus (Wiedemann), in Florida.
Chemical insect control handbook. SB951.0W3.	18587	1870
Pesticides containing phosphorus paste intended	ADENINE NUCLEOTIDES	Sugar heet. Leaf spot, Cerospora heticola. 1890
for use in or around the home. Notice of	Alcohol dehydrogenase of Drosophila: Intercon- version of isoenzymes.	Apple. Scab, powdery mildew; Venturia in
proposed interpretation 26 under federal insecti-	version of isoenzymes.	aequalis, and podosphaera leucotricha.
cide, fungicide, and rodenticide act.	ADENOSINE TRIPHOSPHATES	1908
Parast of the solid solid solid	Dinitrophenol decreases the radiation sensitivity	Control of Hawaiian jungle with aerially applie
Report of the pesticide residues committee.	of L cells.	herhicide.

Chemical control of an old stand of chaparral to increase range productivity.

19127

Effect of continuous feeding of aflatoxin to chickens.

19169

19249

19253

The food protection and toxicology center- Annual reportTX341.C3.

ADENOSTOMA

AFRICAN SWINE FEVER VIRUS

AFRICAN SWINE FEVER VIRUS Studies with hinde attenuated African swine	A note on some Agromyzidae (Diptera) from northern Persia including a new Liriomyza spe-	The presence and persistence of dieldrin or forage crops from soil treatments for alfalfa
fever virus.	cies. 18533	snout beetle control.
AGALLIA CONSTRICTA	A new British agromyzid fly.	Crop responses to applied molybdenum and
Monolayer cultures of insect cell lines and their inoculation with a plant virus.	The Agromyzidae (Diptera) of Woodwalton	copper on Podzol soils. 19276
19012	Fen.	ALGAE
AGAMOMERIS CULICIS	18610	Passive dispersal of viable algae and protozoa by
Preliminary observations on the incidence and biology of a mermithid nematode of Acdes sol-	Some Agromyzidae (Diptera) from Morocco. 18682	certain craneflies and midges. 18660
licitans (Walker) in Louisiana.	AIR	ALKALINE PHOSPHATASE
AGAR	The occurrence of Fusarium in the air in northern hardwood forests. (Abstract).	Alkaline phosphatase relationships in Droso- phila.
Caffeine-induced mutagenesis in Drosophila.	18981	18669
18700	AIR POLLUTION	ALLELES
Purification and antigenicity of wheat streak mosaic virus.	Symposium on trends in air pollution damage to plants (invitational papers).	Studies on the scutellar bristles of Drosophila melanogaster, I. Basic variability, some tempera
18789	Discourse of agree and agree and alertic init 1	ture and culture effects, and responses to short term selection in the oregon-RC strain.
Sensitivity of tobacco leaf discs to ozone. (Abstract).	Diseases of crops and ornamental plants incited by air pollutants, 19233	18675
19295		ALLERGIES Germination time and sensitivity of spores to soi
Aldrin and dieldrin: Loss under sterile conditions.	Diseases of forest and tree crops caused by air pollutants.	fungistasis. (Abstract).
19321	The influence of atmospheric dispersion on the	Clinico-epidemiological and immunological ex-
AGING The old house borer.	exposure of plants to airborne pollutants.	amination of persons, vaccinated and nonvac- cinated against brucellosis, subject to infection
18642	The impact of air pollutants on plant popula-	hazard.
Phenol oxidases of a lozenge mutant of Droso- philia.	tions.	19258
18653	19236	Sensitivity of tobacco leaf discs to ozone. (Ab-
AGRICULTURAL ECONOMICS	Sources of plant-pathogenic air pollutants. 19237	stract). 19295
The economic importance of Zeuzera pyrina in	ALBANIA	ALLOTROPA BURRELLI
the lower Rhone valley and the cost of chemical control. 19001	Results of the Albanian Expedition 1961 of the Deutsches Entomologisches Institut. 60th con-	Allotropa in the Samarkand region. 19039
That spray material bill.	tribution. Survey of the first evaluation phase 1961 to 1965.	ALPHITOBIUS DIAPERINUS Large numbers of Alphitobius diaperinus Panz
19327	18527	(Col., Tenebrionidae) in broiler houses.
Is a saving in the cost of disease control possible. 19328	ALCOHOL DEHYDROGENASE Alcohol dehydrogenasc of Drosophila: Intercon-	18673 ALTERNARIA CUCUMERINA
GRICULTURAL OUTLOOK	version of isoenzymes.	Cantaloupe. Leaf blight, Alternaria cucumerina.
Invisible insects which cause itches may be a source of business for PCOS.	18625	18850
18668	ALCOHOLS Techniques for determining thoracic scale pat-	ALTERNARIA SOLANI
GRICULTURAL PRODUCTS	terns on alcohol-preserved mosquitoes.	Tomato. Anthracnose and early blight; Collectorichum spp., Alternaria solani.
Pesticides containing phosphorus paste intended	18545	18755
for use in or around the home. Notice of proposed interpretation 26 under federal insecti-	ALDRIN Aldrin and dieldrin: Loss under sterile condi-	A method of screening for resistance to early
cide, fungicide, and rodenticide act.	tions.	blight on tomato seedlings. (Abstracts).
19244	19321	1877-
GRICULTURAL REGULATION	ALEUTIAN DISEASE	Potato. Early hlight, Alternaria solani.
Domestic quaratine notices. Japanese beetles. 18705	Alcutian disease gammopathy of mink induced with an ultrafiltrable agent.	ALTERNARIA TENUIS
Domestic quarantine notices. Japanese beetle.	19162	Symptomatological and epidemiological studies
Regulated areas.	ALEYRODIDAE	of Alternaria leaf spot of bean. (Abstract).
18713	New name combinations and notes on some African and Asian species of Aleyrodidae	18924
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GRICULTURAL RESEARCH	The interrelationship of the aphid Acyrthosiphon	ALUMINUM FOIL
Effects of crop rotation sequences on Rhizoctonia hypocotyl rot of snapbean. (Abstract).	pisum, and its parasite, Aphidius smithi, in a sta- ble environment. 18691	Effect of aluminum strips on the spread of two aphid-borne chrysanthemum viruses.
18810	Effect of temperature, crop, and depth of burial	18837
The pathogenicity of Ditylenchus dipsaci to alfal- fa and the relationship of temperature to plant	on the survival of Typhula idahoensis selerotia. 18846	AMETASTEGIA GLABRATA The larva of the dock sawfly, Ametastegia glahrata, as a pest in orchards.
infection and susceptibility. 19102	Natural regulation of all'all'a aphids in California.	grantata, as a pest in orchards.
Examination of cucumber seed for	In: Hodek, I., ed. Ecology of aphidophagous in-	AMINO ACIDS
Mycosphaerella melonis.	sects. SB975.0S9.	Exudation of amino acids by intact and damaged roots of wheat and peas.
Studies with hinde attenuated African swine	Resistance of alfalfa varieties to the potato leaf-	18718
fever virus.	hopper: seedling survival and field damage after infestation.	Proteins of Rous sarcoma virus,
19167	19094	19174
Abnormalities in the electrocardiograms of	The pathogenicity of Ditylenchus dipsaci to all'al-	Free amino-acids of blood plasma and erythro-
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Effects of temperature and incuhation period on the expression of resistance to stem nematode in alfalfa.

AMMONIA

19113

Synergistic effect of two stimulants to induce probing in stomoxys calcitrans.

19204

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The Agromyzidae (Diptera) of Woodwalton
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AMMONIUM Effects of malic acid salts on growth of young cotton embryos in vitro.	ANIMAL HISTOLOGY The blood pressure in canine interstitial nephrites.	ANOPHELES QUADRIMACULATUS The effects of various anesthetics on the action of DDT on Anopheles larvae.
18743 Behavior of macroconidia of Fusarium roseum	19153 Experimental herpes virus infection in young	ANOPLURA Corbobbarathian as a chean din for the central
'Sambucinum' under carbon staruation condi- tions in relation to survival in soil. (Abstract).	19211	Carbophenothion as a sheep dip for the control of blowily, lice and keds. 19225
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melanogaster, I, Basic variability, some tempera- ture and culture effects, and responses to short	19164	ANTHOCORIDAE Studies on overwintering of Anthocoris (Hem.,
term selection in the oregon-RC strain. 18675	Effect of continuous feeding of affatoxin to	Anthocoridae).
Anatomy of greening-diseased sweet orange shoots.	19169	ANTHONOMUS RUFUS Anthonomus rufus Gyll. (Col., Curculionidae) in
The cattle pest. SF966.0J3.	Bovine keratitis due to avitaminosis A in young stock.	Lancashire.
The African swine pest. SF977.0A40L8.	19177 ANIMAL PHYSIOLOGY	ANTHRACNOSE (TOMATOES)
19187 ANDROPOGON	Fibrinogen contont and fibrinolytic activity of plasma from dogs infected with Leptospira	A technique for inoculating tomato fruits with the anthacnose pathogen, Colletotrichum coc- codes. (Abstract).
Flight behaviour of the African migratory locust (Locusta migratoria migratorioides R. and F.).	canicola.	18918
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19311	validity of Hacmagogus lucifer (H. D. and K.)	1859:
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FOOD ADDITIVES

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matode; Pratylenchus penetrans, Xiphinema americanum.	The influence of organic soil amendment on common scab of potato.	The pathogenicity of Ditylenchus dipsaci to alfal fa and the relationship of temperature to plan
Northern pin oak. Chlorosis, iron deficiency.	18776	infection and susceptibility.
18754	Enzyme detoxication of 3',4'- dichloropropionanilide in rice and barnyard	
Tobacco, flue-cured (plant bed), damping-off	grass, a factor in herbicide selectivity.	Biology of the pseudo root knot nematode Hyp soperine ottersoni.
and root rot soil-borne pathogens including;	19305	1911:
Phytophthora parasitica var. nicotianae, and Meloidogyne sp., Control of weeds.	SOIL MOISTURE	SOIL TREATMENT
19016	Sweet potato. Soil rot, Streptomyces ipomoea. 18742	The presence and persistence of dieldrin or
Cherry (sweet). Root lesion nematode,	Bean (snap). Root rot, Rhizoetonia solani.	forage crops from soil treatments for alfalf- snout beetle control.
Pratylenchus penetrans.	18945	1923
19038	Tobacco root-knot nematode, Meloidogyne in-	SOIL-BORNE PLANT DISEASES .
Soybean. Sting nematode, Belonolaimus sp. 19057	cognita acrita.	Influence of oats on soil-borne populations of
SOIL BIOLOGY	19054	Fusarium roseum f. sp. cerealis 'Culmorum'. 1880:
Symposium on microenvironment and biology of	SOIL SAMPLING Sweet potato, root-knot nematode, Meloidogyne	SOILS
soil. Invitational papers presented at the fifty-	incognita.	Studies on the persistence and effects on soil
ninth annual meeting of the American Phytopathological Society, Washington, D. c.,	19081	fauna of some soil-applied systemic insecticides.
August 20-24, 1967.	SOIL SANITATION	1869
18530	Insecticidal laboratory studies on sisal weevil	White spruce damping-off; several, including
SOIL CHEMISTRY	(Scyphophorus interstitialis Gyll., Curculionidae, Coleoptera). Ill. Systemic insecticides	spp. of Pythium, Rhizoctonia, and Fusarium.
The breakdown of 14-C-chlorfenvinphos in soils and in.	applied to soil.	Rice. Damping-off of drill-seeded rice; seed-and
19239	19043	soil-borne pathogens.
SOIL CONTAMINATION	SOIL SERIES	1873
The presence and persistence of dieldrin on	Effect of litter, incorporated organic matter, soil type, and selective herbicides on seedlings of	Microorganisms in paddy soil. S597.R3.
forage crops from soil treatments for alfalfa snout beetle control.	downy brome.	1875
19238	19129	Soybean. Seed decays and seedling diseases; see
SOIL FUMIGATION	SOIL STERILIZATION	and soil borne fungi. 1882.
Plant pathology department.	A new disease of crownvetch, Coronilla varia, caused by Sclerotinia trifoliorum.	Immunofluorescent staining as a means of identi
18732	18946	fying mycelium of rhizoctonia solani on slide
Tomato. Fusarium wilt, Fusarium oxysporum f. lycopersici.	SOIL STRUCTURE	used in soil ecological studies. (Abstract).
18734	Morphological and chemical analyses of red pine	1887
Soil fumigants tested for control of crown gall.	(Pinus resinosa Ait.) buds. Their relationships to	Potato. Verticillium wilt, Verticillium albo
18813	tree growth on a K-deficient to nondeficient site continuum.	atrum and Verticillium dahliac. 1893:
Lettuce. Sclerotinia rot, Sclerotinia	18741	Tobacco root-knot and lesion nema., Meloido
sclerotiorum. 18881	Northern pin oak. Chlorosis, iron deficiency.	gyne sp. and Pratylenchus sp.
Clues to fumigation for oak root fungus.	18754	1902.
18907	Peanut. Seedling blight: Rhizoctonia, Fusarium, and Thielaviopsis spp.	Soybcan. Sting nematode, Belonolaimus sp. 1905
Fruit trees replant disease.	18761	Comparisons of soil and foliar applications of
18929	Tobacco (cigar-wrapper). Black shank;	acaricides for control of the two-spotted spide
The effects of methyl bromide fumigation and	Phytophthora parasitica var. nicotianae.	mite on strawberries in southern California.
grafting on yield and root diseases of tomatoes. 18966	18851	1907
Effects of aerated steam and selected fumigant	Potato. Scab, Streptomyces scabies. 18879	Tobacco (burley) root-knot nematode, Meloido
treatment of casing soil on mushroom produc-	Bean (lima), sweet potato, Root-knot nematode,	gyne incognito. 1908
tion and microbial populations of the soil. (Ab-	Meloidogyne incognita.	Sweet potato, root-knot nematode, Meloidogyn
stract). 18991	19006	incognita.
Results of trials on the disinfection of vineyard	Tobacco root-knot nematode, Meloidogync in-	1908
soils in the south of France.	cognita acrita.	Results of trials on the disinfection of vineyard
19097	Tobacco root-knot nematode, Meloidogyne in-	soils in the south of France.
Responses to postplanting and preplanting soil fumigation in California peach, walnut, and	cognita acrita.	A method for detection and study of the suga
prune orchards.	19053	beet nematode in soil.
19106	Tobacco root-knot nematode, Meloidogyne in-	1910.
The effect of fumigants on the vine plant and on	cognita acrita.	Nematology department.
the soil microflora on calcareous chernozem. 19285	Tobacco root-knot nematode, Meloidogyne in-	1910:
SOIL FUNGI	cognita acrita.	Chemical weed control handbook. SB951.W32. 1913:
Occurrence and pathogenicity of Pythium in	19055	Lead accumulation in Nova Scotia orchard soils.
peach orchard soils. (Abstract).	Tobacco osbornes cyst nematode. (Being	1924.
18885 Germination time and sensitivity of spores to soil	described by Dr. L. I. Miller).	Crop responses to applied molybdenum and
fungistasis. (Abstract).	SOIL TEMPERATURE	copper on Podzol soils.
18955	Sweet potato. Soil rot, Streptomyces ipomoea.	19276
Behavior of macroconidia of Fusarium roseum	18742	SOLAR RADIATION Survival of tobacco movaig virus in space
'Sambucinum' under carbon staruation conditions in relation to survival in soil. (Abstract).	Effect of temperature, crop, and depth of burial on the survival of Typhula idahoensis sclerotia.	Survival of tobacco mosaic virus in space. 1890
19275	18846	SORGHUM

Influence of soil temperature on deterioration of

red clover roots by Fusarium roseum. (Ab-

Saccharase activity of Sclerotium rolfsii in soil and the mechanism of antagonistic action by

19296

Trichoderma viride.

18940

Sorghum (RS610 and RS625) (pink kafir). Seed rots and seedling blights, covered kernel smut; Fusarium, Pythium, Rhizoctonia.

SPRAYING EQUIPMENT

18915

19014

Apple. Apple scab, Venturia inaequalis.

Studies on spread, possible herbaceous plant	SPLEEN Clinico-epidemiological and immunological ex-	Apple. Apple scab and powdery mildew; Venturia inaequalis Podosphaera leucotricia.
reservoirs, and serological relationships of some virus isolates from sour cherry (Prunus cerasus	amination of persons, vaccinated and nonvac- cinated against brucellosis, subject to infection	Sour cherry. Cherry leaf spot, Coccomyce
L.).	hazard.	hiemalis. 1881
An experimental spray program for integrated control of insects affecting sour cherry.	SPORES Germination time and sensitivity of spores to soil	Apple. Apple scab, Venturia inaequalis. 1881
19050	fungistasis. (Abstract).	Apple. Apple scab, Venturia inaequalis.
OYBEANS Incidence of brown stem rot of soybcans in North Carolina.	Spore formation and release in Erysiphe. (Abstract).	1882 Apple. Powdery mildew, scab; Podosphaera lecotricha, and Venturia inaequalis.
18748	SPORULATION 19289	1884
Soybeans and peanuts. Seed and seedling diseases, several fungi.	A method of screening for resistance to early	Cantaloupe. Leaf blight, Alternaria cucumerina 1885
Soybean. Seedling diseases; seed and soil borne	blight on tomato seedlings. (Abstracts). 18774	Asparagus. Root rot, Fusarium oxysporum
organisms.	Factors affecting growth and survival of the mycoparasite Darluca filum. (Abstract).	asparagi.
Increase of Diaporthe phaseolorum var. sojae on	18779	A field comparison of fungicides as medium volume sprays on apples.
soybean pods due to corn earworm. (Abstracts). 18808	Influence of oats on soil-borne populations of Fusarium roseum f. sp. cerealis 'Culmorum'.	1888
Soybean. Seed decays and seedling diseases; seed	18805	Pepper. Bacterial spot, Xanthomonas vesica toria.
and soil borne fungi.	Effect of radiation intensity and quality on sporu- lation by Helminthosporium dictyoides. (Ab-	1888 Peach. Bacterial spot, Xanthomonas pruni.
The effect of light quantity and quality on	stract). 19310	1890
soybean leaves infected by Pseudomonas glycinea. (Abstract).	SPRAYING The effect on honeybee mortality of applying in-	Wheat (spring marquis). Leaf and stem rus Puccinia recondita and Puccinia graminis tritici.
Determination of losses in soybeans caused by	secticides as sprays or granules to flowering field beans.	Potato. Late blight, Phytophthora infestans.
Rhizoctonia solani. (Abstract).	18604	1892
Soybeans nematodes, various nematodes.	Dry season biology of Anopheles gambiae Giles in the sudan.	Citrus. Black spot, Guignardia citricarpa. 1895
Soybean. Sting nematode, Belonolaimus sp.	18651	Tomato. Bacterial spot, Xanthomonas vesica
19057	Annual report of the insect vector control divi- sion (previously the malaria division) of the	toria.
Enzyme localization in Lee soybeans infected with the root knot nematode, Meloidogyne incognita acrita. (Abstract).	ministry of health and housing of the government of Trinidad and Tobago for the year 1966. 18708	Bcan (snap). Bacterial blight, Pseudomons syringae.
19111 Can herbicides be used safely every year.	Cotton. Seedling diseases, several fungi.	Cucumber, Angular leaf spot, Pseudomona
19277	Tomato. Gray leaf spot, bacterial leaf spot;	lachrymans. 1897
SPACE BIOLOGY Survival of tobacco mosaic virus in space.	Stemphylium solani, Xanthomonas vesicatoria. 18722	Potato. Early blight, Alternaria solani.
SPECTROMETRY	Sugar beet. Leaf spot, Cercospora beticola. 18727	Apple: Scab, Venturia inaequalis.
DNA in cauliflower mosaic virus. 18938	Tomato. Buckeye rot, Phytophthora parasitica. 18739	Apple. Apple scab, Venturia inaequalis.
SPECTROSCOPY Changes associated with parasitism in nematodes. IV. Cytochemical studies on the ampul-	Tomato. Anthracnose and early blight; Colletotrichum spp., Alternaria solani.	Predators of aphids, associated with orchards. In Hodek, I., ed. Ecology of aphidophagous insect SB975.0S9.
la of the dorsal esophageal gland of Meloidogyne javanica and on exudations from the buccal	Influence of foliage rust on yield, test weight, and oil percentage of safflower seed.	1904
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SPHACELOTHECA SORGHI	Pests and diseases in the deciduous orchards of Israel. in 1960-1964. SB608.F8A7.	1905 Apple. Scab, Venturia inacqualis.
Demonstration of occurrence of hexose monophosphate shunt pathway in chlamydo-	18766 Study on the insecticidal resistance on rice stem	1905
spores of Sphacelotheca sorghi. (Abstract). 19293	borers (Chilo suppressalis Walker).	Some effects of spraying with thiabendazole of the susceptibility of sugar beet to yellowing
Soluble sugars in chlamybospores of Sphacelotheca sorghi. (Abstract).	Grape, concord. Powdery mildew, Uncinula necator.	viruses and on their vector, Myzus persica (Sulz.).
SPIDERS 19294	18790 Grape. Powdery mildew, Uncinula necator.	Red spider mite in deciduous fruit orchards.
Arachnology. 18505	18791	Controlling weeds in tobacco with benefin.
Two new species of the genus Otiothops	Apple: Scab and powdery mildew, Venturia in- aequalis and Podosphaera leucotricha.	1911
(Praneae, Palpimanidae) from the Virgin Islands.	18794	Chemical control of an old stand of chaparral increase range productivity.
Biochemical differentiation of the sibling black	Potato. Late blight, Phytophthora infestans. 18795	Growth and fruit drop of young fruit tree
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18641	Prevention of perithecial development by Ventu- ria inaequalis by late-season applications of fun-	1926 That spray material bill.
SPINACH The significance of spinach as a host plant of the	gicides. (Abstracts).	1932
rape-nematode Heterodera schachtii Schm. 18857	Apple. Powdery mildew, Podosphaera leu-	Pests and diseases of vegetables and their co
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Rice. Blast, Piricularia orzae.

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18562	probing in stomoxys calcitrans.	STREPTOMYCES SCABIES
STARCHES Some properties of chrysanthemum stunt virus.	Pattern recognition in bees.	The influence of organic soil amendment on common scab of potato.
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during infection by bean rust fungus. (Abstract).	areas, public stockyards, specifically approved	STREPTOMYCIN 18877
18931	stockyards and slaughtering establishments. Modified certified brucellosis areas.	Antibiotics, use in animals.
Effect of root temperature on hypocotyls of cot- ton seedlings as a source of nutrition for Rhizoc-	19203	19145
tonia solani.	STOMOXYS CALCITRANS	The influence of cation competition, time, and temperature on the uptake of streptomycin by
19278 STARLINGS	Synergistic effect of two stimulants to induce probing in stomoxys calcitrans.	foliage.
Averting starling damage in vineyards.	18607	STRIPE MOSAIC (BARLEY)
19136	STORAGE Port infortution resourch 1967, 423, 93, 6793	Infectivity, ribonuclease activity, and other
Scaring starlings in cherry and vine plantings. 19138	Pest infestation research 1967, 423,92 G792, 18579	physiological relationships of barley stripe mosa- ic virus-infected barley leaves. (Abstract).
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'Sambucinum' under carbon staruation conditions in relation to survival in soil. (Abstract).	Poplar hybrid, storage breakdown; unknown	Porcine Strongyloidosis treatment and control. 19221
19275	cause.	STRONGYLOIDIASIS
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18537 STEAM	related fungi.	(Abstract). 18862
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tion and microbial populations of the soil. (Abstract).	18783 Fungus diseases attacking pears and apples dur-	packaging of potato tubers. 19230
18991	ing storage. 1. General aspects.	SUCCINATES
STEM Stem necrosis of grapes.	18787	Effects of malic acid salts on growth of young
19259	The occurrence of Oryzaephilus surinamensis (L.) (Col., Silvanidae) on dried chicory.	cotton embryos in vitro. 18743
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18777	cies of stored-products beetle.	19268
STEM RUST (WHEAT)	STORAGE DISEASES	SUGAR BEETS
Effect of artificially or naturally introduced uredospores on stem rust development in previ-	Method for controlling apple scald. Patent 3,376,142.	Influence of predation of Coccinella septem- punctata L. on Aphis fabae Scop. In: Hodek, I.,
ously infected fields of wheat. (Abstract).	19228	ed. Ecology of aphidophagous insects. SB975.S9.
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19063	reducing sugars to Verticillium wilt resistance of strawberry cultivars.	A method for detection and study of the sugar-
STERILIZATION	18896	beet nematode in soil.
The purification of insoluble coat proteins from defective mutants of tobacco mosaic virus	Inhibition of growth of Verticillium albo-atrum sporelings by tannins and polyphenols from in-	19103
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Pesticide-induced enzyme breakdown of steroids	STREAK (TOBACCO)	YPYRIMIDINE, 4- Compositions and methods for modifying ling
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		TABLES (DATA)
ON TATES	SWINE	Tomato Gray louf snot bacterial loof snot:
SULFATES Citrus. Black spot, Guignardia citricarpa. 18949	Nonspecificity of fluorescent-antibody test for distinguishing hog cholera virus strains.	Tomato. Gray leaf spot, bacterial leaf spot; Stemphylium solani, Xanthomonas vesicatoria. 18722
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the corrosion of plain cans of fruit.	tissue culture cells infected with porcine	Fusarium, Pythium, Rhizoctonia.
19240	adenoviruses. 19170	Wheat (red chief). Bunt, Tilletia foetida.
SULFUR DIOXIDE	Leptospira antibody formation by porcine	18731
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19266	The African swine pest. SF977.0A40L8.	Tomato. Fusarium wilt, Fusarium oxysporum f. lycopersici.
SUPERPHOSPHATES	Porcine polioencephalomyelitides.	18734
The influence of organic soil amendment on common scab of potato.	19191	Rice. Damping-off of drill-seeded rice; seed-and
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SURFACE-ACTIVE AGENTS	19252	Rice. Seed rot of water-seeded rice, aquatic and
Wetting ability of cationic surface-active agents	SYMBIOSIS	related fungi.
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downey brome.	SYMPHYTA	Tomato. Anthracnose and early blight; Col-
19118	Hymenoptera from Turkey: Symphyta.	letotrichum spp., Alternaria solani.
SURVEYS	SYMPOSIA	18755
Mobile field laboratory cabinet for use in en- cephalitis surveillance.	Ecology of aphidophagous insects. Symposium,	Peanut. Seedling blight: Rhizoctonia, Fusarium,
18510	1965 meeting, september 27-October 1, 1965.	and Thielaviopsis spp. 18761
The relationship between the size of yellow water	Liblice, Czechoslovakia. SB975.0S9.	Soybeans and peanuts. Seed and seedling dis-
traps and catches of aphids.	Symposium on trends in air pollution damage to	eases, several fungi.
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Results of the Albanian Expedition 1961 of the Deutsches Entomologisches Institut. 60th con-	19232	Potato. Late blight, Phytophthora infestans. 18795
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1961 to 1965.	Occurrence of syrphid larvae on some aphids. In: Hodek, I., ed. Ecology of aphidophagous insects.	18796
18527	SB975.0S9.	Soybean. Seedling diseases; seed and soil borne
A local survey of the distribution of industrial melanic forms in the moth Biston betularia and	18602	organisms.
estimates of the selective values of these in an in-	TABANIDAE	Soybean. Seed decays and seedling diseases; seed
dustrial environment.	New records of Tabanidae (Diptera) for Southern Rhodesia.	and soil borne fungi.
18594	18502	18823
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Pests and diseases in the deciduous orchards of	Stenotabanus staryi n. sp. from Cuba.	Tobacco (cigar-wrapper). Black shank;
Israel. in 1960-1964. SB608.F8A7.	Additional notes on Diptera (Tabanidae) from	Phytophthora parasitica var. nicotianae.
18766	Delaware:.	18851
Penicillium and Botrytis rot of meintosh apples in water.	18543	Potato. Scab, Streptomyces scabies. 18879
18783	A collapsible truck-boat trap for collecting blood-fed mosquitoes and tabanids.	Potato. Late blight, Phytophthora infestans.
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1966. 18956	A preliminary account of some data on Heterop-	sclerotiorum. 18881
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Heterodera rostochiensis group.	Studies on the natural enemies of insect pests of	18886
19023	West pakistan Forests. Final report, June 1961-	Sugar beet. Leaf spot, Cerospora beticola.
Entomology department.	June 1966. SB942.G5.	18908
19031	Quantity of aphids required for reproduction by	Wheat (spring marquis). Leaf and stem rust; Puccinia recondita and Puccinia graminis tritici.
Plant-parasitic nematodes associated with southern hardwood and coniferous forest trees.	Hippodamia spp. in the laboratory. In: Hodek, I.,	18922
19069	ed. Ecology of aphidophagous insects.	Potato. Verticillium wilt, Verticillium albo-
Some interesting fungi of India.	SB975.0S9.	atrum and Verticillium dahliac.
19126	North Carolina insecticide report for january 1-	Tomato. Bacterial spot, Xanthomonas vesica-
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N. L., Mexico.	18649	18967
SWEET POTATOES	Effect of food on some aphidophagous Coccinel- lidae. In: Hodek, I. ed. Ecology of	Bean (snap). Bacterial blight, Pseudomonas
Bean (lima), sweet potato, Root-knot nematode,	aphidophagous insects. SB975.0S9.	syringae. 18975
Meloidogyne incognita.	18677	In vitro increase in virus infectivity.
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SWEETPOTATOES Sweet potato. Soil rot, Streptomyces ipomoea.	Annual report of the insect vector control divi-	Soybeans nematodes, various nematodes.
18742	Annual report of the insect vector control divi- sion (previously the malaria division) of the	19003
Formation of callus tissue in sweetpotatoe stems	ministry of health and housing of the government	The pickleworm; its control on cucurbits in Alabama.
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of Ceratocystis fimbriata.	Cotton. Seedling diseases; various organisms.	Tobacco, fluc-cured (plant bed), damping-off
Sweet potato, root-knot nematode, Meloidogyne	18719	and root rot soil-borne pathogens including; Phytophthora parasitica var. nicotianae, and Me-
incognita.	Cotton. Seedling diseases, several fungi.	loidogyne sp., Control of weeds.

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19081

TAENIASIS

TAXONOMY

their phallic structures.

Chrysomelidae) in Britain.

Two subgenera of Pyrgomorphidae (Orth., Acri-

doidea) raised to generic status on the basis of

Two new species of Longitarsus Latr. (Col.,

18507

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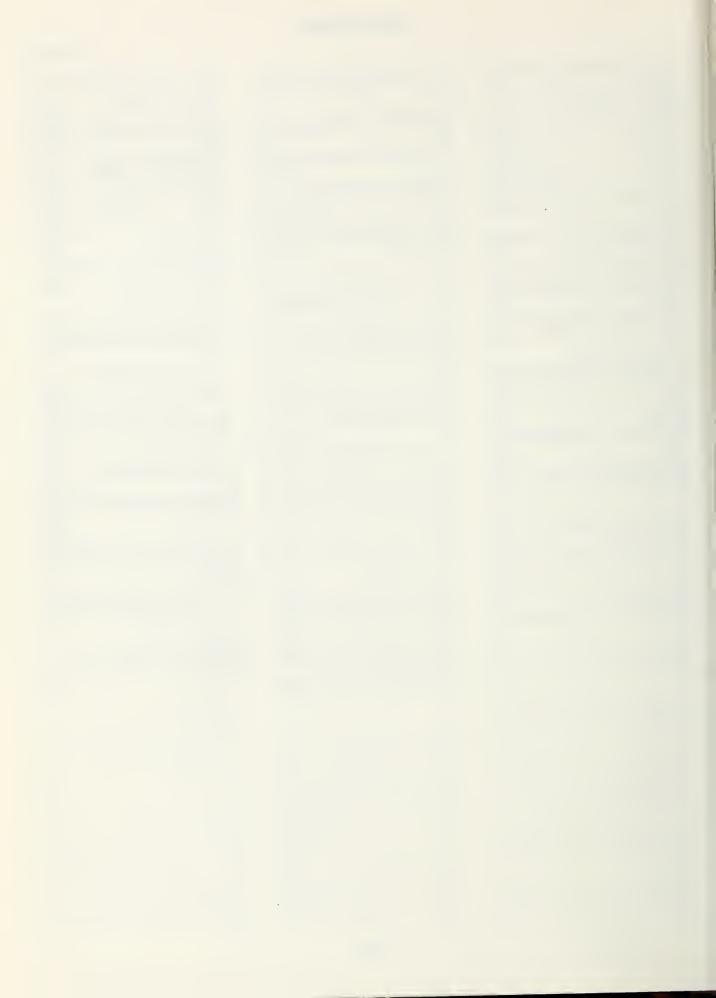
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